

GENERAL ROOM  
LIBRARY  
NAVY OFFICE

# ARMY

THE GAZETTE OF THE LAND  
SEA AND AIR



# NAVY

SPOKESMAN OF THE SERVICES  
SINCE 1863

## JOURNAL

JUL • 1940

VOL. LXXVII—NO. 44—WHOLE NO. 3015  
Est. as 2nd class matter at P. O. at Washington, D. C.  
1st. entry Baltimore, Md., under Act of Mar. 3, 1879

Washington, D. C., June 29, 1940

ONE YEAR, SERVICE INDIVIDUALS \$4.00  
ORGANIZATIONS AND CIVILIANS .. 6.00  
SINGLE COPIES ..... 20



# To the Lucky One

IT is lucky, tradition tells us, to catch the bride's bouquet, and perhaps that is so • But it is a more modern and certain sign of luck to become the possessor of a 1940 car with Body by Fisher • For when you own such a car, you have the protection of the widest, longest, strongest Unisteel Turret Top Body that Fisher craftsmen ever built • You have the solid security of double-walled steel construction. You have the convenience of improved Fisher No Draft Ventilation, the comfort of softer cushions, extra luxuries that add to your pleasure—and the clear, eye-pleasing view of the world which planned vision gives • Small wonder, then, that you hear it said, "The buyword for '40 is Body by Fisher"—which means a General Motors car, of course.

"Best buy's Buick" is mighty smart advice. One reason is found in its Body by Fisher. The 4-door SUPER sedan shown here has a front seat almost five feet wide, a wider, higher windshield, an 18% larger back window, and Hi-Test Safety Plate Glass not only in the windshield, but in all door windows and Ventipanes as well.

Visit the General Motors Exhibits at the New York and San Francisco World's Fairs



June  
T  
MR.  
(At  
non, non  
date for  
relinqu  
Navy to  
Earlier  
last time  
anacra  
brought  
Secreta  
Assista  
the Nav  
NAVY  
Negot  
ships w  
can  
within  
dent R  
bill, Se  
formed  
In the  
announ  
great o  
and sub  
for com  
tion.  
The c  
of 3 air  
light cr  
types a  
are in a  
regular  
sent an  
authoriz  
24 vesse  
gram w  
cost of  
large se  
that pro  
The  
Rooseve  
which M  
ever sim  
ment.  
Secretar  
over the  
000,000.  
for grea  
sults in  
cates.  
Under  
Edison p  
contract  
certain  
based on  
Navy th  
sister sh  
item of  
example  
though  
Structur  
the plan  
dissimil  
than is  
more tin  
Redesi  
At his  
Edison d  
"Tempo  
sels whi  
radical  
naval ve  
Such e  
to any p  
but spec  
vessels  
superstr  
week. N  
of Renr  
eral Bo  
have al  
renovati  
ships, a  
heavy cr  
to withst  
organiza  
Reorga  
Signin  
bills—the  
struction  
with cre  
tary of t  
struction  
Navy—the  
advances  
"The  
than 50 y  
ing effor  
coordinat  
(

## The Defense Program

### MR. EDISON VIEWS THE NAVY

(At midnight on 24 June, Charles Edison, son of the famous inventor and candidate for the governorship of New Jersey, relinquished the post of Secretary of the Navy to prosecute his campaign for office. Earlier that day he met the press for the last time as Secretary. The questions and answers propounded at that conference brought out a summing up of the dynamic Secretary's views and achievements as Assistant Secretary, and as Secretary of the Navy.)

### NAVY shipbuilding:

Negotiated contracts for 68 combatant ships which will cost a total of \$750,000,000 can be signed by the Navy Department within one hour of the approval by President Roosevelt of the naval expansion bill. Secretary of the Navy Edison informed the press.

In these words, the retiring Secretary announced the accomplishment of two great objectives—expansion of the Navy and substitution of negotiated contracts for competitive bidding in ship construction.

The contracts will call for construction of 3 aircraft carriers, 4 heavy cruisers, 9 light cruisers, 30 destroyers of various types and 22 submarines. These vessels are in addition to the 24 authorized by the regular 1941 Navy Supply Bill and represent an 11 per cent expansion of the authorized Navy. Contracts on 23 of the 24 vessels to be built under the 1941 program were awarded last week at a total cost of about \$350,000,000, leaving only a large seaplane tender to be ordered under that program.

The legislation now awaiting Mr. Roosevelt's signature is also an advance which Mr. Edison had been working for ever since he entered the Navy Department. The negotiated contracts, the Secretary stated, will produce savings over the competitive bid system of \$23,000,000. In addition, the system makes for greater speed in construction and results in vessels which are actually duplicates.

Under the competitive bid system, Mr. Edison pointed out, a private yard obtains contract for a vessel, constructs her, using certain equipment, and prepares plans based on the use of such equipment. The Navy then uses these plans to build a sister ship, but must ask bids on each item of equipment, and so finds, for example that X's boilers must be bought though the plans call for use of Y's. Structural changes must then be made in the planned vessel, until finally a quite dissimilar ship is launched, costing more than is necessary and requiring much more time than needful.

### Redesign:

At his last press conference Secretary Edison declared flatly that aircraft had a "temporary superiority" over surface vessels which could be dispelled only by a radical redesign of the superstructure of naval vessels.

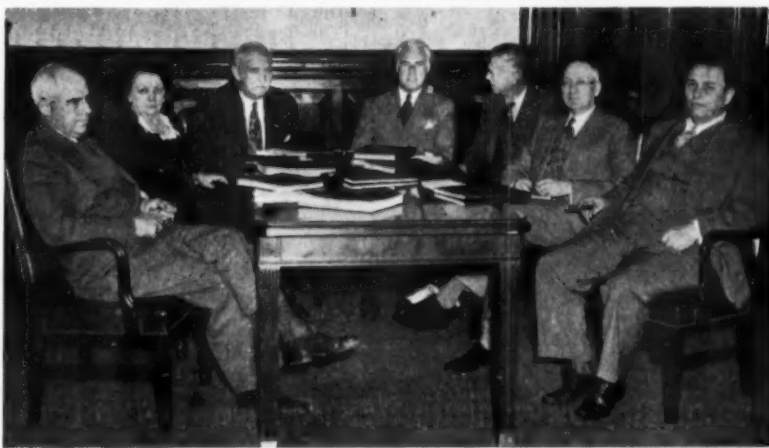
Such changes could not be incorporated to any great extent in the 1941 vessels, but specifications of the new expansion vessels are being modified to strengthen superstructures, the Secretary said this week. Naval officers under the direction of Rear Adm. Ernest J. King of the General Board have studied this problem and have also prepared specifications for renovation of 29 existing ships—battleships, aircraft carriers and light and heavy cruisers—to make them better able to withstand aircraft attack without "disorganization" of their topsides.

### Reorganization:

Signing of the two Navy reorganization bills—that merging the Bureaus of Construction and Repair and Engineering, with creation of the post of Undersecretary of the Navy, and that inducting Construction Corps officers into the line of the Navy—the Secretary termed far-reaching advances.

"The Navy has been trying for more than 50 years" to coordinate its shipbuilding efforts, Mr. Edison stated. Now, that coordination ordered by him has become

(Please turn to Page 1075)



Harris & Ewing Photo

Supervising the marshalling of America's industrial facilities for preparedness—The National Defense Advisory Commission. Left to right: Chester C. Davis, Federal Reserve Board; Miss Harriet Elliott, Dean of Women, North Carolina University; William S. Knudsen, President General Motors Corporation; Edward R. Stettinius, jr., Chairman of U. S. Steel Corporation; William H. McReynolds, Administrative Assistant to President Roosevelt; Ralph Budd, Chairman of Board, Burlington Railroad, and Leon Henderson, member of S. E. C.

### Army Officer Personnel

Emphasizing that there are no plans for increases in Regular Army commissioned personnel to man the large increases in enlisted personnel, the War Department has issued the following statement:

"The War Department announced that although the Military Establishment Appropriation Act just passed by the Congress includes provisions for increasing the strength of the Regular Army from 227,000 to 280,000 enlisted men and the Supplemental National Defense Appropriation Bill, now before the Congress, contains provisions for another large expansion of the Regular Army enlisted forces, there has been no necessity for corresponding increases in Regular officer personnel, due to the availability of Reserve officers.

#### Reserve Officers

"With world conditions as they are today," it was stated at the War Department "no one can definitely anticipate our future requirements as to officers. However, our reservoir of more than 100,000 Reserve officers, built up and trained since the last World War will furnish sufficient personnel to meet the additional demand occasioned by our present expansion." More than half of these Reserve officers have had the benefit of basic and advanced training in the Reserve Officers' Training Corps at colleges and universities; others have been prepared at Citizens' Military Training Camps which have been held every summer since the war; and still others, particularly in the Medical Corps, have been commissioned because their education, training and civilian occupation closely paralleled the duties they would be required to perform in the Army.

"Practically all have had considerable active duty training and many are graduates of special courses at various service schools. (Please turn to Page 1094)

### Ship Bureau Set Up

Rear Adm. Samuel M. Robinson, USN, chief of the Bureau of Engineering and coordinator of shipbuilding, on 26 June was sworn in as Chief of the new Bureau of Ships, set up by the Act of 20 June 1940.

The assistant coordinator of shipbuilding and chief of the Bureau of Construction and Repair, Rear Adm. Alexander H. Van Keuren, was appointed assistant chief of the Bureau of Ships.

Capt. Henry Williams (CC), former assistant chief of the Bureau of Construction and Repair and slated for promotion to rear admiral, has been named administrative assistant of the new bureau.

Heads of the divisions of the Bureau of Ships are:

Capt. E. G. Kintner (CC), Maintenance Division.

Capt. C. A. Jones, Shipbuilding Division.

Capt. J. M. Irish, Design Division.

Capt. J. A. Furer (CC), General Inspector.

Oath of office was administered to Admiral Robinson at 11:30 a.m., 26 June, by Mr. William D. Bergman, administrative assistant and chief clerk of the Navy Department. Both Admiral Robinson and Admiral Van Keuren have served in their respective posts as coordinator and assistant coordinator of shipbuilding since the shake-up in September 1939 which followed the incident of the "top-heavy" destroyers.

## Funds for National Defense

A recapitulation of the funds appropriated for defense by the present session of Congress reveals that \$5,661,910,337 has been made available in cash and contractual authority to carry on and speed-up past and present programs and to initiate new ones, recently authorized. A breakdown of the major appropriations approved at this session is as follows:

	Army	Navy	CASH	Coast Guard	CCC	CAA	NACA
Urgent							
Deficiency		\$28,000,000					
Emergency, 1940	\$109,416,680	\$137,172,238					
Regular, 1941	\$1,499,323,322	\$1,308,171,138	\$11,465,030	\$280,000,000	\$25,721,954	\$8,000,000	
Supplemental Defense Bill, 1941*	\$821,841,747	\$550,273,170	\$10,717,040		\$32,000,000	\$3,200,000	
2nd Deficiency, 1940			\$900,000				
			CONTRACTUAL AUTHORITY				
	\$577,406,397	\$211,301,612				\$2,000,000	\$6,400,000
	TOTALS						
	\$3,007,988,155	\$2,243,918,158	\$52,782,070	\$280,000,000	\$50,721,954	\$17,600,000	

\*This bill, HR 10055, is the measure carrying the funds requested by the President in his second extra-ordinary defense message to Congress. It has passed both houses, and was signed by the President this week.

## Increase in Mechanized Units Planned for Army

Estimates have been prepared and a series of important conferences are being held at the War Department looking toward a vast increase in armored fighting vehicles and to changes in organizations.

Whether the conferences will result in expanding mechanization along the lines of the present mechanized cavalry brigade at Ft. Knox, Ky., or whether new "Armored" divisions incorporating the existing Infantry tank units will be created, or possibly a combination of both, has not been decided.

However, it is understood that the National Defense Advisory Commission has been devoting a great deal of time and effort planning for the production of enormous quantities of tanks and combat cars. In the meanwhile the War Department has drawn up a set of estimates for looking toward the procurement of vast numbers of mechanized fighting equipment. President Roosevelt announced yesterday that new estimates for the Army will be sent to Congress shortly.

With the reports of the success of German mechanized units and Panzer divisions at hand, as well as the reports on the work of the tank units and the Mechanized Cavalry at the recently completed exercises in Louisiana, the General Staff has been correlating information and studying the reports with a view to formulating an organization or organizations best suited to the needs of the United States.

General George C. Marshall, Chief of Staff, has called into conference on the subject such outstanding experts as Brig. Gen. Adna R. Chaffee, commanding officer of the Seventh Cavalry Brigade (Mech.), and Brig. Gen. Bruce Magruder, commanding officer of the Tank concentration which was placed under the Third Army during the recent exercises, and now commander of the Washington Provisional Brigade. Another expert consulted is Lt. Col. Sereno E. Brett, Inf., long a "tank" man. General Chaffee is one of the early advocates of Cavalry mechanization. At the time when mechanization was being experimented with as a "mechanized force" at Ft. Eustice, Va., General Chaffee was then a Cavalry field officer on the General Staff and recommending strongly that mechanization be placed under the Cavalry. Later he was to command a mechanized Cavalry regiment and then the brigade. General Magruder, on the other hand, is an Infantry officer who has done much to advance the employment of tanks in the Infantry, as has Colonel Brett.

In addition, General Marshall has sent for Brig. Gen. Lesley J. McNair, commander of the Command and General Staff, School, and Brig. Gen. Courtney Hodges, USA.

It is expected that out of these series of conferences will come a determination as to the organization of mechanized or armored divisions and the disposition of Infantry tanks and Cavalry combat cars.

General Marshall pointed out this week that although the Army now has the regular streamlined Division (Infantry), the old heavy or square division now in use in the National Guard, the Cavalry Division and the Mechanized Cavalry Division, there is no reason why even more types of divisions should not be created if it is felt there is need for them. It is recalled that the German Army has successfully employed in its campaigns no less than eight different types of divisions, using each type where its particular characteristics are most needed.

As to personnel strength, General Marshall stated this week that he is confident that the strength of 375,000, as provided in the new bill, can be attained by voluntary enlistments probably by September. He feels, too, that there will be no difficulty in procuring sufficient Reserve Officers, particularly recent ROTC graduates, to meet the need for commissioned officers for the force.

The Chief of Staff sees no need for shortening the course at the United States Military Academy in order to get the graduates into troop units at earlier dates. The National Defense Act, he said, (Please turn to Page 1060)

*P*reservation of the  
essentials—Life, Liberty, and the Pursuit of  
Happiness—is possible only through adequate  
defense of those privileges.

In our support of the Government's program we endeavored to convey to our inland population the importance of being alive to the dangers of inadequate protection.

Our conception of this was reflected in the painting.

*"To Keep the Peace"*

done for us by Stevan Dohanos in early 1937  
and for the first time publicly presented in the  
75th Anniversary issue of this journal.

*A new printing of this picture on the following page  
is, we feel, not without interest at this particular time.*

GENERAL CABLE CORPORATION



*To Keep the Peace*

GENERAL CABLE CORPORATION

## Wide Range of Editorial Reaction to New Defense Heads Reflected

Immediate editorial reaction to the appointments of Mr. Henry L. Stimson to be Secretary of War and Col. Frank Knox to be Secretary of the Navy was confined largely to the Atlantic seaboard, and ranged from approval to demand for Senatorial disapproval of the nominations. Below are quoted excerpts from editorials appearing in a number of nationally known dailies.

The New York Times comments, "President Roosevelt's dramatic announcement of his appointment of two leading Republicans to his cabinet informs the country that he has taken a long step in the direction of real national defense—and a step long overdue. A shocking situation has been permitted to prevail for many weeks at the very core of the whole effort to strengthen our defenses. During all this time the office of Secretary of the Navy has been occupied by a man who was about to leave his post to embark on a political career; the offices of Secretary of War and Assistant Secretary of War have been occupied by two men unable to agree on fundamental policies. When ratified by the Senate, as they must be, the appointments will put a prompt end to this fantastic situation. \* \* \* We are entirely justified in assuming that Mr. Stimson's own advocacy of compulsory military training no bar to his appointment, and we are further entitled to assume—knowing Mr. Stimson—that he will continue to say what he thinks and to advocate with the full force of his eloquence and logic the establishment of a system of training and service which he believes to be essential to the safety of the nation."

The New York Herald Tribune charges that the appointments are purely political. The Herald Tribune states, "In filling the important cabinet posts of War and Navy with two able Americans, the President has done a real service to his country. The disgraceful situation with respect to the former—wherein two second-rate politicians squabbled for control of the nation's land defenses—had achieved the proportions of a national scandal. The subordination of the Navy to political ambitions of the State of New Jersey was hardly less shocking. \* \* \* The prospect for efficient achievement by the new appointees cannot, under the circumstances, be regarded as bright. The President has always been his own Secretary of the Navy and his own Secretary of War. Is there the slightest reason to suppose that either Mr. Stimson or Mr. Knox will fare any better than their predecessors. The densely political atmosphere in which they are taking office strengthens the suspicion that they will not."

The Baltimore, Md., Sun, differs sharply with the preceding editorial, and writes that despite any political connotations, the appointees will play a major part in defense plans. The Sun states, "Whether or not the sudden appointment of Messrs. Knox and Stimson to the important cabinet posts of Navy and War be regarded as a political maneuver on the part of Mr. Roosevelt, the fact remains that these two Republican leaders are eminently fitted for the tasks to which they have been assigned. The criticism which is being leveled at them at Philadelphia is a matter of party, rather than national concern. They are in sympathy with the general foreign policy which the country has shown its desire to support. \* \* \* with Mr. Stimson in the War Department and Colonel Knox as Secretary of the Navy, the defense of the

country will be in more competent hands. This is vastly more important than the possibility that their appointment was a piece of political trickery on the part of Mr. Roosevelt."

Declaring that it is unfortunate that the appointments were made during such a political season, and expressing the hope that the nominations were made purely on the basis of the technical knowledge of the appointees, the Washington, D. C., Post, comments, "Abroad, these nominations will serve to emphasize the essential unity of America in the rapid development of our military strength which has been rendered imperative by events in Europe. At home, this infusion of new blood should help accelerate the preparedness program and, even more important, to eliminate administrative difficulties which impede the effective direction of our tremendous industrial strength in meeting the problems of national defense."

The New York Journal of Commerce, points out that both men have been outspoken in their "aid short of war" advocacy, questions whether or not the appointees were named for their pro-allied feeling or for their abilities, states that the great majority of Americans are opposed to war, and comments, "It is unfortunate, further more, that the appointment of two outstanding Republicans to key posts in a Democratic administration should be made almost on the eve of the Republican convention. This pat political timing, for which President Roosevelt is now well known, gives rise to the suspicion that the move is aimed no less at political advantage than it is at national unity."

The Wall Street Journal, of New York City, demands that the Senate refuse to confirm the nomination of Mr. Stimson. The Journal printed on its editorial page the conclusions reached by Mr. Stimson in a radio speech over NBC on 18 June, which conclusions recommended repeal of the neutrality act, the opening of our ports for fueling and repair of all British and French merchantmen, "all-out" aid to the Allies, with American transport and convoy if necessary, disregarding of Hitler's statements regarding Germany's interest in South America, permitting the entry of English refugees into the United States and compulsory military service. The Journal states, "We believe that Mr. Stimson's views, in so far as they would lead us to war, are far out of line with what the majority of the American people want. On that ground we hold that the Senate of the United States should refuse to confirm the nomination of Mr. Stimson to be Secretary of War. We believe that it would be a calamity to put Mr. Stimson in the position where he could open this country to the danger of participation in the war which the American people oppose."

The Philadelphia, Pa., Inquirer, writes, "Appointment of Henry L. Stimson and Frank Knox, Republicans, to be Secretaries of War and Navy is definitely disturbing because both are known as outstanding interventionists. Because the appointments of Stimson and Knox carries the suggestion of intervention overseas and dubious politics at home it is disquieting to a Nation that is gravely apprehensive lest it should become involved in the European war."

### "A Universal Obligation"

BY HON. J. G. SCRUGHAM

Chairman, subcommittee on Naval Appropriations, House of Representatives

THIS nation is facing what is probably the greatest crisis of our entire history. The ominous onrush of mechanized instruments of death and destruction may soon reach our shores if we do not handle the situation with firmness and wisdom.

It is the solemn obligation of the Congress to keep America out of war, and to keep war out of America. We must strengthen our defenses so that no rash foe will dare to attack us with any hope of success. We must unitedly strive for a rebirth of the spirit of patriot American pioneers, who cheerfully went about their work of conquest of the forests and prairies and deserts with a loaded rifle close at hand to protect them from savage enemies.

We must also further inculcate the understanding that national defense is a universal obligation, and not something affecting only professional soldiers, sailors, and munition makers.

Tell your friends to subscribe to the Army and Navy Journal and keep in touch with the service personnel.

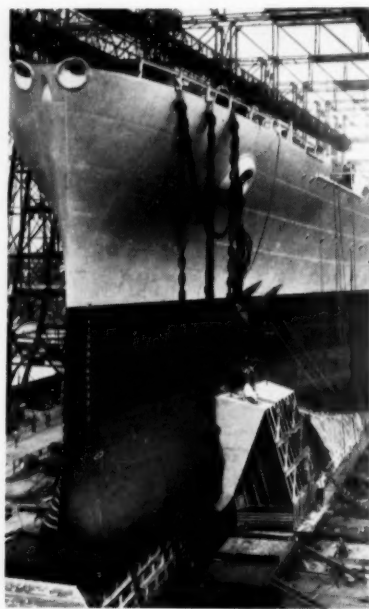
### The Journal Salutes

This week the ARMY AND NAVY JOURNAL salutes:

Col. John Hester, Inf., USA, who has taken over his new duties as Executive for Reserve Affairs, War Department.

Rear Adm. Arthur W. Huntington, (SC), USN, who will become general inspector for the Supply Corps on the Pacific Coast.

Col. Robert L. Denig, USMC, who has been ordered to command the Marine Barracks, Puget Sound Navy Yard.



The American shipbuilding industry and the hundreds of producers who contribute to it are the industrial key to the upbuilding of the American Navy. In the program destined to increase the Navy by 80 per cent scenes such as the above (USS Washington being readied for the water at Philadelphia) will be duplicated in all available ship yards.

### Grayling Sponsor Named

Acting Secretary of the Navy Lewis Compton has designated Mrs. Herbert E. Leary of Washington, D. C., as sponsor for the USS Grayling, scheduled to be launched at the Navy Yard, Portsmouth, N. H., 4 Sept. 1940.

Mrs. Leary is the wife of Rear Adm. Herbert E. Leary, USN, director of Fleet Training, office of Naval Operations.

### Contribution of Business

BY HON. DAVID I. WALSH

Chairman, Senate Committee on Naval Affairs

THE supreme duty of the government of the United States is to build up, immediately and speedily, every possible arm of our national defense. The highest obligation of the American people, short of war service, is to support and sustain the government in its endeavors to make our Navy impregnable against invasion and our Army sufficiently strong to repel any foe that may attempt to carry the war to American soil.

Among the various groups of our population, the first, immediate and most important contribution toward our national defenses should come from the business interests of the country. They must build the vessels, airplanes, weapons and munitions that the manhood of the country must use if we become involved in war. Industry is the first to be called upon to serve and sacrifice, and its contribution is only second in importance to the tremendous sacrifice our manpower may be called upon to make.

I plead, therefore, for the strongest possible cooperation by the financial and business interests of the nation with the officials of our government to render every possible assistance and make every possible preparation for the safety and security of our lives, our homes, our resources and our institutions.

### Five French Ships Here

With virtual disappearance of France as a maritime nation, at least for the present, it was revealed that five of her merchant ships are now in U. S. ports, including the superliner Normandie, which has been tied up in New York since the war started. At Chester, Pa., is the tanker Merope; at New Orleans, the Michigan, and on the West Coast, the tanker Argyll and the Vannes.

### A Two Ocean Navy

BY HON. MELVIN J. MAAS

Member, House Naval Affairs Committee

THE United States has finally come to a realization that it must adopt a two-ocean navy policy. The Congress is now in the process of providing the additional fleet required for such a navy.

While Congress has been and is passing both the necessary authorization and appropriations to furnish the United States with the most powerful military defenses in the world, it will require also the mobilization, and that immediately, of our entire industrial resources to translate congressional action and enactments into ships, guns, planes, tanks, and trained officers and men in uniform. Democracy must demonstrate an unparalleled voluntary teamwork of Government, business, labor, and youth if we are to survive. Either we make the sacrifices necessary as partners or we will all be sacrificed individually.

When answering advertisements please mention the Army and Navy Journal.

### Did You Read

the following important service stories last week:

Congressmen to push Army personnel changes with new Secretary of War?

Assignment of new Reserve officers, including new Thomasons, by Arm and Service?

Progress of Naval construction? Recruiting quotas set, recruit depots created?

Bill drafted to create separate Naval Air Corps?

If not you did not read the ARMY AND NAVY JOURNAL. You cannot obtain this valuable information from any other source.

## War and Business

By GENERAL JOHN J. PERSHING  
General of the Armies of the United States

THAT the conduct of war is a big business enterprise which involves a knowledge of business principles on the part of leaders was vividly brought out during the World War, and preliminary preparation necessary to carry on to success once we become involved in war should appeal to every business man.

It has been the prevailing custom of our people generally in times of peace to go about their several tasks with almost entire neglect of any consideration of the possibility of war. When it comes upon us our patriotism flames up and we become tremendously aroused, but when the immediate danger has passed we immediately drop back into the old easy-going ways, serenely confident that the future will take care of itself, or, in other words, that providence will look after us as in the past. With few exceptions, we have been fortunate in war, barring the disgraceful failures of 1812 and in the early days of the Civil War, so we have failed to draw conclusions as to keeping our powder dry that have plainly followed from our experiences.

Never having really lost a war, and never by any chance counting the cost, we content ourselves with the thought that we shall always be able to meet possible emergencies of tomorrow as we met those of yesterday, even though we pile up billions of indebtedness. In the face of everything, many in the past have held to the absurd conceit that we needed practically no preparation, because millions of men would spring up over night, fully armed and ready to encounter any foe. But how different were the facts in the case when the dreadful scourge of war came upon us. Of course, there were men in great numbers,—patriotic and willing, yet it was over a year before we had the munitions, equipment or transport, and before they were trained sufficiently to enable them to take their places in the line of battle.

In the problems of mobilization of our man power, the agencies that were called into being in every hamlet included men from all walks of life, in which business men were represented in large proportion. So that viewing the question of National Defense as a whole we find American business men have many points of contact as illustrated by their activities during war both at home and with the armies. It is regrettable that a greater number of business men with vision do not make the sacrifice and enter public life during peace, and give their countrymen the benefit of practical business experience in the management of both national and international affairs.

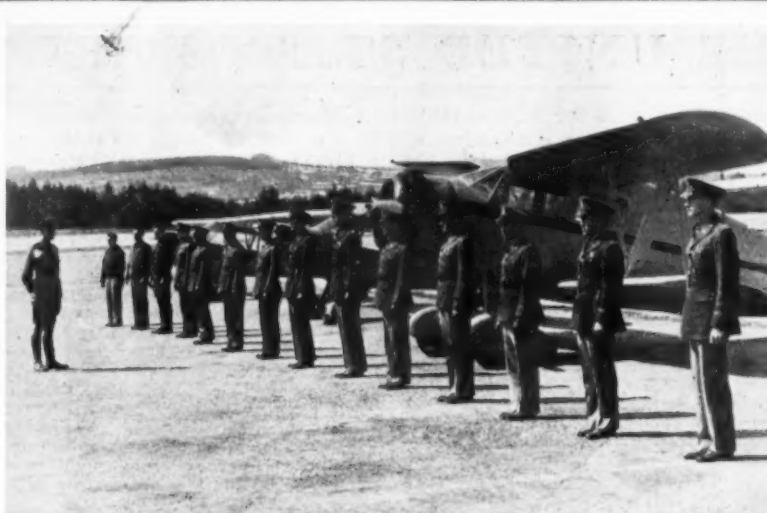
It is to be presumed that distinguished business men and industrialists are as deeply interested in a reasonable military policy as any body of our citizens. They should be concerned not only from the standpoint of tranquility at home, upon which our prosperity largely depends, but from the standpoint of national security. A nation that stands ready to defend its rights receives consideration and respect from all the world, but the weak become the prey of intrigue at home and assault from abroad.

## New Division Commanders

Brig. Gen. Philip B. Peyton, USA, commandant of the Army War College, has been ordered relieved from that duty and to command the 8th Division, at Camp Jackson, S. C. His orders are effective 1 July, 1940, and he will proceed immediately to his new post.

Brig. Gen. Joseph W. Stilwell, USA, on 1 July 1940, will be relieved from duty with the Infantry Section, Division Headquarters, 2nd Division, Ft. Sam Houston, Tex., and will proceed immediately to Camp Ord, Calif., where he will assume command of the 7th Division.

Lt. Col. William H. Gill, Inf., USA, has been detailed as a member of the General Staff Corps and assigned to duty as Chief of Staff, 8th Division Camp Jackson, S. C. Colonel Gill's orders are effective 1 July 1940.



Schools and colleges throughout the country are doing their part in giving American youth the basic education as pilots. With instructors and planes furnished by the Civil Aeronautics Authority, thousands of air-minded students, such as those of Norwich University shown above, are receiving ground courses and 50 hours of flying practice.

## Pilot Training Program

BY ROBERT HINCKLEY  
Chairman, Civil Aeronautics Authority

IT has long been a truism that civilian facilities of a country represent one of the foundation stones of national defense, but it is more of a truism today than ever before. Modern machines have become so complex, and at the same time so effective in aggressive warfare and in defensive warfare, that no Nation can overlook the requirements for wide training of civilians in the use of these machines.

In accordance with these requirements in our own country, the Civil Aeronautics Authority is providing for the preliminary training of 45,000 new pilots by July 1st, 1941. This training follows a pattern established during the past year by the Civil Aeronautics Authority, which is now turning out more than 250 new pilots every day. These are the graduates of flight courses now terminating. Approximately 10,000 will have been certificated by June 30th.

The training of the new 45,000 is already under way. How has the Civil Aeronautics Authority been able to undertake this task on such a short notice? Its ability arises out of the fact that it is already mobilized to do so. During the past year its Civilian Pilot Training Program operated with unexpected success in 500 centers distributed through every state in the nation, Alaska, Hawaii and Puerto Rico. These centers consist of one or more commercial operators and a university or college where thoroughly tested courses in ground and flight instruction are given. Facilities for ground instruction are not only immediately available at 508 colleges and universities, but in 75 localities where last year's training was given on a non-college basis. The number of non-college training centers is to be increased to 225 for the coming year. The university officials, the flight operators and other personnel at these centers have become thoroughly trained in Government procedure, in instruction standards and safety practices.

The efficiency of the program is attested by the reports of our inspectors who have given the flight and the ground school examinations. They uniformly report that the flight performance of this year's graduates is far above that of civilians who have had only the usual casual training. Needless to say, students in the pilot training courses receive not only thorough flight training but also 72 hours of ground school instruction.

During the past year 75 students who received elementary training during the spring of 1939 are now undergoing a special 40 to 50 hour course of secondary training on planes of the same type as those used in the primary military training.

With the inception of the program a year ago, it was found necessary to as-

sure ourselves that flight instructors in our program were fully capable. All pilots participating in the program, therefore, were required to pass an exacting flight examination. Twelve hundred pilots received ratings as a result of these examinations, and an additional 1200 have been given or are taking a special 10-hour course of refresher training. Two hundred pilots have also been given special training in order to qualify them as instructors in the secondary (advanced) course.

There will also be trained, between 15 June and 15 Sept. 1940, under the Civil Aeronautics Authority program, 15,000 pilots of private grade. These students will receive 72 hours ground school instruction and 35 to 50 hours flight instruction. In addition, one thousand students who have already had their elementary training will receive 40 to 50 hours addition flight instruction.

During the fall quarter there will be 15,000 additional primary pilots trained, but there will also be trained 3,000 other pilots in a secondary course of 40 to 50 additional flying hours. These 3,000 will be selected from the 15,000 who receive primary training during the summer. Before qualifying for this secondary training course, the student must have passed in the primary course and must also qualify physically in an examination given by military doctors.

During the Spring course, beginning 15 Feb., another 15,000 new students will be given the primary training and 5,000 additional will be given secondary training and will be selected from those who have passed the primary course and who can also qualify physically.

Over and above this extensive program aimed at the creation of a reservoir of new pilots, the Civil Aeronautics Authority will salvage the experience of thousands of civilian pilots who have already learned to fly at their own expense but who, for one reason or another, have allowed their pilot certificates to lapse. As many as 5,000 active and inactive pilots with commercial ratings are to be given 25-hour refresher courses. About 7,000 inactive private pilots are to be given 15-hour refresher courses and 25-hour refresher courses are to be made available to approximately 5,000 solo pilots.

Besides the 508 school flying centers and the 75 non-college flying centers, many others are available. Applications have been received from several hundred colleges and aviation operating companies and from thousands of individual candidates for training who thus far have been unable to take part in the program, owing to a limitation of available Federal funds.

The combined primary and secondary courses give the trainees a minimum of 75 hours and this training is considered equivalent to the Army and Navy primary flight instruction stages of 65 and 72 hours, respectively.

## Industry in National Defense

By HON. LOUIS JOHNSON  
Acting Secretary of War

IN this mechanized age, industry is the foundation of national defense. Today the entire nation appreciates that fact. A modern army must be fully equipped with the latest and the best weapons, and it takes much longer to manufacture the soldier's equipment than it does to make him a well-trained and proficient fighting man.

To equip our Army, we need seventy thousand different items. All but thirty-seven hundred of these are commercial in character and can be easily obtained in the open market without material dislocation of normal business. Of these thirty-seven hundred, twenty-five hundred are in ordinary commercial use, but the demands for them in quantity might become so great as to impose a severe burden on the industrial life of the nation. It is expected that the existing system of allocations will minimize difficulties in this field.

The remaining group of twelve hundred articles constitutes the critical problem. Most of these items are not in ordinary use and therefore cannot be obtained over the counter. We cannot expect to procure more than ten per cent of these requirements from our arsenals alone since they were intended to be little more than experimental laboratories. Since we have no munitions industry in this country, we must therefore have recourse to the conversion of civilian plants into munitions factories.

But an industry geared to a peacetime economy cannot be commuted to war production overnight. Factories must be re-equipped to produce the unfamiliar article. Skilled labor and efficient management must be developed in the art of munitions manufacture. All this takes time and it is here that American industry must and will come to our assistance.

In the solution of these problems industry will be accorded adequate financial assistance by the government. Orders will be placed without delay and every possible obstruction to prompt action removed. But only industry itself can provide the machine tools, train labor in their use and make the plant adjustments necessary to produce the needed arms and equipment in the quantity and time required.

In April 1917 we had already developed a considerable munitions industry through Allied purchases during the previous three years. Even with that assistance, nearly twelve months was required to adjust industry to our war-time demands. Today we lack this head start, and time may well become of much greater moment.

The future safety of this country is in the hands of American industry. There is a challenge to its resourcefulness unparalleled in our history. The War Department is confident that it will meet the challenge and that the richest country in the world will promptly become the strongest.

## No Delay in Army Promotions

The Adjutant General's Department has prepared service records of Army officers due for promotion 1 July under provisions of the new age-in-grade promotion system, and will be able to submit nominations of officers to the Senate when that body reconvenes, it was learned this week.

Possibility of unexpected promotions before 1 July will prevent submission of the nominations before that date. Congress is expected to reconvene 1 July, and the nominations will probably be sent up 3 July.

Thereafter, promotions will be made as each officer completes his required service in grade, and The Adjutant General's Department expects to have the service record of every promotion list officer calculated by August.

It is estimated that on 1 July all majors down to and including No. 288 in the old Directory, Maj. John C. Adams, FA, and all captains down to and including No. 1580, Capt. Wayne L. Barker, CAC, will be promoted.



# THE UNITED STATES ARMY



## All-Army Tennis Championships

The annual All-Army Tennis Tournament got under way at West Point in New York on Wednesday, 12 June, with the seedings for the several events and the drawings for the singles. Due to insufficient entries, the Veterans' singles event was not held.

Thirty-five players participated in the tournament, of whom thirteen were officers, thirteen cadets, USMA, and nine enlisted men.

### The 1940 All-Army Winners

Singles Champion—1st Lt. Dolf E. Muehleisen, AC.

Runner-up—Cadet Richard G. Tindall, USMA.

Semi-finalist—2nd Lt. Sanford H. Webster, Inf.

Semi-finalist—Cadet Harry W. Heffner, USMA.

Doubles Champions—1st Lt. Muehleisen and 2nd Lt. G. C. Russell, AC.

Runners-up—Cadets Tindall and Andrew J. Evans, USMA.

Consolation Singles—Winner—1st Lt. Allen D. Smith, MCR.

Runner-up—Cadet John G. Hoyt, USMA.

\*Awarded Army Tennis Association Trophies.

Among those who notified the secretary of their intention to participate, only to find it necessary to withdraw their entries were:

Col. W. R. Dear, MC; Lt. Col. P. W. Newgarden, Inf.; R. C. Van Vleet, Jr., Inf.; and J. H. Hillis, AGD; Majors J. H. Drake, Inf.; and G. V. McPike, AC; Captains J. W. Andrew, AC; P. K. Merrill, Jr., AC; W. B. Merritt, CAC; and S. K. Robinson, Inf.; Lt. W. R. Robertson, AC; H. B. Thatcher, AC; N. E. Powell, AC; G. F. Bell, Inf.; and A. F. Rollins, FA.

Players in 1940 All-Army Tennis Tournament were:

DeWitt C. Armstrong, III, Cadet, USMA.  
Bud B. Binning, Pvt.  
Francis H. Bonham, Cadet, USMA.  
Harold E. Brooks, Capt., FA.  
Lloyd E. Brown, St. Sgt., CAC.  
Joseph A. Butler, T. Sgt., CASD.  
Keith E. Canella, Cadet, USMA.  
Theodore J. Conway, 1st Lt., Inf.  
Donald L. Driscoll, Cadet, USMA.  
Andrew J. Evans, Cadet, USMA.  
Mills C. Hatfield, Cadet, USMA.  
Charles F. Healey, Pvt., AC.  
Harry W. Heffner, Cadet, USMA.  
John G. Hoyt, Cadet, USMA.  
Fabius H. Kohloss, Major, CE.  
Carmen LaBoria, Pvt. 1st, Ord.  
Samuel N. Lapsley, T. Sgt., AC.  
Arthur A. Marston, Cadet, USMA.  
Ralph L. Maxey, Pvt., AC.  
Wilmer R. McCutchen, 2nd Lt., CE.  
Dolf E. Muehleisen, 1st Lt., AC.  
Charles R. Murrain, Cadet, USMA.  
Henry C. Newcomer, 2nd Lt., CE.  
Edward M. O'Connell, 1st Lt., Inf.  
Younger A. Pitts, Jr., Cadet, USMA.  
James E. Poore, Jr., Capt. (Inf.), QMC.  
Jacquard H. Rothschild, Capt., CWS.  
G. Caldwell Russell, 2nd Lt., AC.  
Allen D. Smith, 1st Lt., MC-Res.  
Eugene E. Snell, St. Sgt., AC.  
Arthur L. Streeter, Capt., MC.  
Richard G. Tindall, Cadet, USMA.  
William H. Tucker, Cadet, USMA.  
Sanford H. Webster, 2nd Lt., Inf.  
David P. Wood, Pvt.

## THE ARMY MUTUAL FOLLOWS THE FLAG

Wires funds instantly to any part of the world and helps widows' claims.

ARMY MUTUAL AID ASSOCIATION  
War Department  
Washington, D. C.

## Reserve Officers for Active Duty

The nine corps area commanders of the Army have been instructed by the War Department to canvass young lieutenants of the Officers' Reserve Corps under their military control with the idea of the War Department selecting some 9,000 officers, exclusive of Air Corps Reserve officers, for extended voluntary active duty with Regular Army troops, R. O. T. C., Organized Reserve, and other civilian component duty. Reserve officers selected for troop duty will assist in training the expanding Regular Army during the fiscal year 1941. Some Reserve officers in the grade of lieutenant who recently completed six months' active duty with the Regular Army will be offered the opportunity of extended active duty in the foreign garrisons of the Army so as to release up to thirty per cent of the Regular Army officers at such stations for troop training duty in the continental United States.

Many of the 826 Regular Army officers now on R. O. T. C. duty, some of the 500 on duty as instructors with the National Guard, some of the 475 on duty with the Organized Reserves, and some of the few on duty with the Civilian Conservation Corps as district commanders and executive officers may be transferred to duty with Regular Army combat units, their places being taken by retired officers and Reserve officers.

Due to the large number of Reserve officers available, the War Department several months ago suspended new commissions except for recent graduates of the R. O. T. C., C. M. T. C., and certain few other sources. There is no likelihood of the ban being lifted soon.

## Titles for Chaplains and Nurses

Concerning military titles for "chaplains" and "nurses" the War Department issued a statement this week as follows:

"Military titles are not used in the Army in addressing chaplains and nurses, the War Department announces in answer to inquiries received from newly commissioned Reserve officers and from recruits of the expanded Regular Army.

"Chaplains have relative military rank from 1st lieutenant to colonel, and nurses have similar relative military rank from second lieutenant to major, but this is for purposes of pay and administration. Chaplains and members of the Army Nurse Corps are not addressed as 'Major' or 'Lieutenant' in the Regular Army. Chaplains are always addressed as 'Chaplain' regardless of their relative military rank, while nurses are addressed in official correspondence as of the grade they hold, i.e., nurse, chief nurse, assistant director, director, assistant superintendent and superintendent. The general use of the title 'nurse' seems to meet with universal approval in the military service."

## Army Mutual Aid Association

During the week Maj. George S. Wear, Capt. Samuel P. Collins, Capt. Douglas B. Smith, Capt. William P. Connally, Jr., 1st Lt. George T. Duncan, 1st Lt. Joseph A. Cleary, 1st Lt. Howard J. Lowe, 1st Lt. Robert B. Lothrop, 1st Lt. Russell F. Akers, Jr., 2nd Lt. Hugh Sawyer, 2nd Lt. Robert H. Van Volkenburgh, Jr., 2nd Lt. George V. Underwood, Jr., 2nd Lt. Stanley J. Cherubin, 2nd Lt. William M. Reid and 2nd Lt. James E. Norvell were elected to membership. Twelve members increased their insurance to \$6,000.

Benefits paid: Maj. John H. Burns, Inf.

JOURNAL advertisers merit your attention! From cover to cover you'll find your needs covered by reliable firms.

## More Army Mechanization

(Continued from Page 1055)

is based on the employment of Reserves and possibly National Guard officers to take care of emergency increases.

"We want," the General said, "to give this system the fullest opportunity to work. It is the most democratic and easily workable process. I hope and pray that it will work, although I anticipate no difficulty."

It is understood that the War Department does not look with favor upon proposals to increase the enlisted strength beyond 375,000 men at this time, for it is felt that boosts beyond that figure would require the creation of new units which would in turn mean breaking up the fine organizations now being built and a consequent lapse of time before new units could be made into fighting teams.

## Special Service Schools

To make Regular Army officers available for the training of the rapidly expanding Army, and to utilize Army school facilities to the fullest advantage, courses at the Special Service Schools of the arms and the services will be limited to specialist and refresher courses of not to exceed one month in duration, the War Department announced this week. The officer students will be on one month's temporary duty at the specialist schools and upon completion of the intensive course will return to their stations for troop and command duty. Courses will start 1 July 1940.

The number of students at these abbreviated courses will be announced later. Students will include officers of the Regular Army, Reserve officers now on extended active duty under the Thomason Act, and honor graduates of this year's R. O. T. C. and C. M. T. C. units who may volunteer for such active duty, and also selected enlisted men.

The shortening of the courses at the Special Service Schools follows the recent action by the War Department in suspending the Army War College and the Command and General Staff School courses for the 1940-41 school year for Regular Army officers, but retaining the courses at the Command and General Staff School for National Guard officers and the members of the Officers' Reserve Corps. The Army Industrial College, also, will have three courses hereafter, mainly for Reserve officers.

## Move Air Corps Units

The expanded Air Corps pilot training program makes it necessary to use certain Air Corps stations as flying schools. The following new locations have been approved for units to be evacuated from their present stations as a result of this action:

Unit	Present Station	New Station
20th Pur. Gp.,	Moffett Field, Calif., March Field, Calif.	
35th Pur. Gp.,	Moffett Field, Calif., Sacramento Air Depot, Calif.	
82nd Obs. Sq. (less 1 flight),	Moffett Field, Calif., Hamilton Field, Calif.	
3rd Bomb. Gp.,	Barksdale Field, La., Municipal Airport, Salt Lake City, Utah.	
27th Bomb. Gp.,	Barksdale Field, La., Ft. Benning, Ga.	
23rd Composite Gp.,	Maxwell Field, Ala., Municipal Airport, Orlando, Fla.	
Hqs. & Hqs. Sq. 3rd Wing,	Barksdale Field, La., MacDill Field, Fla.	

Movements will be accomplished as soon as the necessary housing and operating facilities can be provided.

## Hawaiian Dept. QM

Fort Shafter, T. H.—Lt. Col. William J. Calvert, QMC, has been announced as Department Quartermaster, vice Col. Sydney S. Winslow, QMC, relieved.

## 100 Thomasons Commissioned

One hundred Reserve officers who are completing one year's service in the Regular Army under the provisions of the Thomason Act have been selected for appointment as second lieutenants in the Regular Army on 1 July 1940.

The Thomason Act authorizes the placing on duty with the Regular Army for one year's training up to 1,000 young Reserve officers, of whom 10 per cent receive appointments as second lieutenants of the Regular Army as the result of a competitive examination at the close of their tours of service.

Although only 650 Thomasons were placed on active duty last 1 July, the remaining 350 being added this past December, all of the group were permitted to compete in the examinations for permanent appointment.

The 100 officers to be commissioned include 50 Infantry, 19 Field Artillery, 13 Coast Artillery, 7 Corps of Engineers, 8 Cavalry, 2 Chemical Warfare Service and one Signal Corps.

Those Thomasons who did not win permanent appointments will be for the most part offered another year's active duty as part of the group of 6,000 officers of ground forces being called to such duty. Another group of 1,000 Thomasons will be called to duty within a few days, the distribution by Arms and Services being that announced in the ARMY AND NAVY JOURNAL last week—Infantry, 350; Cavalry, 63; Field Artillery, 229; Coast Artillery Corps, 143; Corps of Engineers, 83; Signal Corps, 31; Judge Advocate General's Department, 4; Quartermaster Corps, 59; Ordnance Department, 20, and Chemical Warfare Service, 18.

The Reserve second lieutenants to be appointed second lieutenants of the Regular Army are:

Adams, F. W., Cav.	Livingston, J. H., Eng.
Alban, P. E., FA	Lorenz, E. H., Jr., FA
Arm, R. E., FA	Lovelace, E. K., Inf.
Batte, J. H., CWS	Lovering, R. S., Jr., FA
Baum, F. W., Inf.	McClenahan, C., Inf.
Benjamin, G. C., Cav.	McKnight, T. L., Cav.
Blakeney, T. O'C., Inf.	Mahoney, W. Jr., CAC
Brassel, A. L., CAC	Manning, R. L., Inf.
Brill, A. C., Inf.	Metcalfe, G. T., FA
Brunau, A. W., Cav.	Miller, J. C., Inf.
Bull, R. H., Inf.	Mills, J. E., FA
Carter, G. F., FA	Moseley, T., Jr., Cav.
Cavness, W. D., Inf.	Munro, G. F., Inf.
Cloud, O. B., Jr., Inf.	Natsel, R. J., Inf.
Collart, J. H., Eng.	Paller, H., Inf.
Connor, P. E., Jr., Inf.	Perrin, B., Inf.
Costello, D. G., Inf.	Phair, T. S., Inf.
Cragholm, E. A., Inf.	Platt, R. G., CAC
Crum, W. B., Inf.	Ramme, E. L., FA
Curl, G. W., Inf.	Resslajac, L. H., Inf.
Daley, D. S., Jr., Inf.	Rice, H. E., CAC
Denisevich, P., Inf.	Richards, R., Inf.
Duckstad, E. E., Inf.	Riley, J. L., Jr., Inf.
Edwards, E. W., Inf.	Robinson, G. B., Inf.
Eldridge, R. S., Inf.	Sample, C. W., Inf.
Eschenburg, E. P., Inf.	Sandiland, J. S., Inf.
Evans, J. C., CAC	Scandrett, W. SC
Fagan, J. P., Inf.	Scoville, W. A., FA
Gilbert, C. M., CAC	Shelby, R. T., Inf.
Gillmore, W. K., CAC	Shivers, G. J., CAC
Goers, W. C., Inf.	Sigley, W. B., CAC
Grant, E. W., Cav.	Sternor, C. D., Inf.
Green, J. B., FA	Stockton, H. L., FA
Griffith, H. S., Jr., Inf.	Stump, R. C., FA
Hansen, H. D., Inf.	Symbol, P. H., Eng.
Harness, L., Inf.	Taylor, B. Jr., Inf.
Harvey, R. C., Inf.	Tredennick, J., CAC
Hatten, P. A., FA	Twombly, J. III, FA
Hilpert, R. C., Inf.	Unverferth, J., Eng.
Hovell, B. B., CAC	Walker, H., Jr., Inf.
Humphrey, B. K., Inf.	Walker, M. W., FA
Inghuahn, D. W., Inf.	Warren, P. A., Inf.
Johnson, L. B., Inf.	Webster, G. Jr., CAC
Johnston, C. D., Inf.	White, G. M., Cav.
Kadick, M. N., FA	Wilkinson, W. C., Jr., Inf.
Kersting, D. A., Inf.	Williams, W. J., II, Eng.
King, W. R., FA	Winter, W. E., FA
Lane, J. F., CWS	Young, S. D., CAC
Lange, H. W. W., FA	
Libershal, E. M., Eng.	
Linehan, J. R., Eng.	
Lippincott, C. E., Cav.	

## ENJOY COMPLETE LIFE INSURANCE AT LOW COST

Low cost operations and profit sharing provisions fulfill the needs of the officer and his family for MORE insurance at less cost. No limitations because of excellent REINSURANCE

CONNECTIONS with the largest firms in the world. No war, travel or residence restrictions. For complete details, write . . .

A SERVICE COMPANY  
OLD LINE LEGAL RESERVE

UNITED SERVICES LIFE INSURANCE COMPANY  
WASHINGTON, D. C.



**Perhaps there is no niche in the  
Hall of Fame for a gasoline,  
and no laurel wreath to fit an  
oil. But the scientific and  
technical men of Shell find a  
deep satisfaction in knowing  
that their continual research is  
helping make available to  
America's great military  
services the finest of American  
petroleum products.**

**PETROLEUM****PRODUCTS**

## THE U. S. NAVY



## THE U. S. MARINE CORPS

## Defense and Industry

BY HON. LEWIS COMPTON  
Acting Secretary of the Navy

THE expansion of the Navy, as an important element of National Defense, is, in effect, a call on industry as a whole to amplify a determined effort toward maximum efficiency. In this major cooperative endeavor, the importance of industry is particularly emphasized by the requirements of the Fleet and the Shore Establishment.

The relative importance of National Defense and Industry is such that a concerted action by each is demanded, especially in matters which concern the physical expansion of the Navy. Maintenance of the Fleet, including routine operation and employment of its units, requires the varied productions of American industry. To a far greater extent, the current program of shipbuilding, aviation, the establishment of new bases and the expansion of our present navy yards and naval stations, will create a tremendous demand on industry for practically every type of materials, in the raw or processed stages.

All emergency items, supported by appropriations from the Congress, will create an immediate demand for the materials and services, and practically every dollar appropriated will benefit some branch of American industry.

It has been estimated that for each \$1,000,000 expended on ship construction, 40.6% is spent for material; 39.1% for labor and 20.3% for other purposes, which directly or indirectly flow to industry. Every State contributes something for use by the Naval Establishment, either in raw materials or in processed items, and the spread of labor requirements is accordingly broad.

Already there is manifest evidence of an accentuated cooperative spirit between all elements of American industry and the Navy Department. This spirit continues the most satisfactory attitude between those who are responsible for National Defense and those who manage the industrial affairs of the Nation. The importance of this relationship and the continuation of the present policy of cooperation will not only produce for the Navy in the interest of National defense, a Fleet ready for any emergency, but will also result in commensurate benefits to industry, in its most comprehensive terms.

## 40-T Changes Ordered

Acting Secretary of the Navy Lewis Compton announced this week that the present squadron of American naval vessels operating in European waters and composed of the cruiser Trenton and the destroyers Dickerson and Herbert will be relieved early in July, by the USS Omaha, USS Barry and USS Goff. This relief will take place in the neutral waters of Portugal, where the present Squadron 40 (T) has been stationed.

Three other vessels sailed from the United States for Europe the latter part of May. They were the cruiser Vincennes, which returned this week with a cargo of gold from the French government, and the old destroyers and Truxton and Simpson.

A third cruiser was ordered this week to South America, the USS Phoenix which is proceeding in the Pacific Ocean to Valparaiso. The Phoenix, like the Quincy and Wichita, which are on the South American east coast, was ordered down, the Navy Department said, "to make a friendly visit to South American ports in accordance with the custom of making these periodic visits."

However, the Quincy is at Montevideo where a Nazi plot was recently reported, and speculation is common in Washington that the real purpose of all three vessels' visits is to guard against attempts to disturb the status quo of the government of any South American nation.

## The Navy and Industry

BY ADMIRAL HAROLD R. STARK  
Chief of Naval Operations

UNDER current emergency appropriation the Navy has been provided funds to the amount of \$1,813,134,308. This money will be expended toward attaining in the shortest possible time the broad objective of a naval establishment able to make full offensive use, in the interest of national defense, of modern weapons and to cope defensively with those same weapons in the hands of an enemy. Specifically, these funds will provide:

- (a) Additional naval aircraft together with the necessary personnel.
- (b) Additional aviation facilities, including main and advanced operating bases and training bases.
- (c) Additional ships as part of the authorized 11% expansion of fleet tonnage, together with the necessary personnel.
- (d) Speed up of construction of ships now on the ways, and others already provided for.
- (e) More efficient anti-aircraft protection for all large ships.
- (f) Modernized hulls and machinery for some older ships.
- (g) Improved facilities at operating bases for surface vessels and submarines.

Ships and naval bases which are the basic elements of naval strength require much time for production or development. Time comes forward as the dominant factor in the present situation. The coordinated effort of the Government and of private industry are necessary to insure that essential requirements will be met promptly.

The emergency program will result in greatly increased demands on those facilities which have been producing material for the Navy in recent years. Ways must be found and measures employed to expand existing facilities, both Government and private, and to speed up production in those plants now in operation. Bottlenecks must be foreseen and eliminated before they develop to serious proportions.

The action of the Government in setting up the Advisory Commission of the Council of National Defense is a timely step toward industrial organization to meet the requirements of the Navy in this emergency.

## Sec. Nav. Sends Farewell

Secretary of the Navy Charles Edison, retiring from that post 24 June, sent the following farewell message to all ships and stations:

"With most sincere regret I terminate my tour of duty as Secretary of the Navy. These are critical days and the future holds problems which will prove your mettle. The nation rightly expects great things of its Navy. It looks for courage, fortitude, resourcefulness and skill. Beyond naval performance of duty you can do much for the people of this country in setting for them a high example of the spirit of loyal service above self. I have every confidence that the future will fully justify my belief that the officers and men of the Navy embody the highest qualities of American manhood."

## Regular Navy Fliers Needed

The Bureau of Navigation desires to receive applications for aviation training (heavier-than-air) from all officers of the Naval Academy class of 1939 who desire such training during the fiscal year 1941.

All candidates should submit applications in time to arrive in the Bureau of Navigation not later than 1 Oct. 1940. Each application must contain an endorsement by a flight surgeon as to the candidate's physical fitness for aviation training. This examination must be taken subsequent to 1 July.

## Marine Corps Expansion

BY T. HOLCOMB  
Major General Commandant, U. S. Marine Corps

THE recent National Defense program contemplates an increase in the U. S. Marine Corps of 9,000 enlisted men. This increase, with the 6,000 increase authorized by the President's limited national emergency proclamation of September, 1940, will bring the Marine Corps to a strength of 34,000 enlisted, the largest it has been since the last war.

As a result of this latest increase in the U. S. Marine Corps, it is planned to organize the following units:

- (a) The Seventh Marines consisting of Regimental Headquarters and Service Company and three infantry battalions. One battalion of the Eleventh Marines (artillery). These units are to be stationed at Parris Island, South Carolina.
- (b) At San Diego, California, it is planned to form the Third Battalion, Sixth Marines (infantry); the Third Battalion, Eighth Marines (infantry); and the Second Battalion of the Tenth Marines (artillery).

(c) In addition it is planned to organize two additional defense battalions, the locations of which have not as yet been determined.

As a result of our previous expansion, the Marine Corps organized several new units of the Fleet Marine Force and opened up a number of new stations. There is now a detachment of marines at the new Naval Air Station, San Juan, Puerto Rico; the Naval Air Station, Jacksonville, Florida, and the Naval Air Station, Sitka, Alaska.

These expansions of the Marine Corps have over-taxed the housing facilities of the Corps and it is contemplated erecting suitable new barracks, artillery sheds and necessary storerooms at Parris Island, South Carolina; San Diego, California; Pearl Harbor, Hawaii; and Guantanamo Bay, Cuba. In addition to the new buildings to be erected, the expansion will necessitate the procurement of additional personal equipment, clothing, food supplies, etc. No definite date can be set as to when all these building operations can be completed.

## 25 Appointed Asst. Surgeons

Appointments as acting assistant surgeons in the Navy were issued this week to 25 successful applicants who are completing fourth year medical courses. The new surgeons will rank as lieutenants (junior grade) from 2 July 1940 and will hold 18-month temporary appointments which may be converted after a year to permanent appointments if the new officers prove satisfactory.

Orders were issued 24 June to all of the new officers except Lt. (jg) Eugene N. Davie.

## Those appointed were:

E. J. Jaruszwski,	G. R. Myers, Jr.,
D. D. Goldthwaite,	J. S. Thiemeyer, jr.,
E. W. Lowman,	W. M. Enright,
Ashton Emerson,	J. A. Brantley,
Eugene N. Davie,	R. C. Speir, jr.,
Merlin L. Newkirk,	Winthrop S. Frantz,
Robert R. Deen,	Roland G. Franklin,
John M. Murphy,	Robert W. Wheeler,
Thomas Harris,	Harry S. Etter,
J. S. Kitterman,	R. S. Page, jr.,
Weston C. Cook,	Millard F. Jones,
David Singer,	William C. Andrews,
C. H. Bagenstose,	

## Naval Air Arm

It was stated this week that the submission of a plan to Congress for the creation in the Navy of a separate air arm, similar in administrative set-up to the Marine Corps, will be considerably delayed owing to the great number of studies that will have to be made to arrive at a workable solution. Pending the completion of these studies, no tentative drafts of legislation can be drawn. However, in response to the request of Chairman Carl Vinson, of the House Naval Affairs Committee, such a plan will be submitted to Congress by the Navy.

## Enlisted Men to USNA

The following enlisted men of the Navy have passed the Naval Academy Entrance Examinations and on passing the physical examinations will be eligible for appointment as midshipmen:

Adams, C. J.	Jones, R. L.
Balestrieri, S.	Klein, T. G.
Bass, J. R.	Knotts, S. L.
Baumberger, H. E.	Losure, J. E.
Beard, P. M.	MacLeod, A. R., jr.
Bergen, J. H.	McBermott, F. M.
Biche, R. C.	Mohr, G. I.
Blackburn, E. E.	Morehouse, R. A.
Bourque, D. H.	Murray, D. N. (Pvt.)
Bruce, D. W.	O'Reilly, T. B.
Burk, R. W.	Ozimek, E. A.
Burkhart, H. W., jr.	Sherwood, W. G., jr.
Caldwell, W. L.	Simpson, C. H.
Camp, J. C., jr., (Pvt.)	Smith, N. S.
Campbell, N. F.	Standard, R. E.
Casey, G. D.	Steiner, P.
Cook, R. H.	Sugg, L. H.
Corcoran, L. A.	Suhre, F. J.
Cruse, D. A.	Talbott, J. W.
Dashko, N.	Thompson, E. N. C.
Davis, S. A.	Wagner, M. E.
Dederick, J. H., jr.	Windsor, J. M.
Dennis, L. F.	Bristow, R. I.
Dugan, G. L.	Cahn, H. M.
Dwyer, J. V., jr.	Elmstad, H. A.
Fauling, E. G., jr.	Jubb, G. F.
Faulstich, R. D.	Leff, J.
Fitzpatrick, J. W.	Peterson, J. E.
Girardet, D. L.	Randolph, R. R.
Gracley, R. B.	Stock, E. J.
Hartley, J. D.	Trotter, A. R.
Heintz, J. W.	Truxler, W. A.
Jennings, C. R.	

A third of the successful candidates came from three vessels, the West Virginia with 9, the New York with 7, and the Maryland with 6.

## Iowa's Keel Laid

The keel of the first 45,000 ton battleship in the Navy's building program, the USS Iowa, was laid at the Brooklyn Navy Yard on 27 June 1940. Rear Adm. Clark H. Woodward, USN, Commandant of the Third Naval District, drove the first rivet in ceremonies from which the general public was excluded.

## Navy Mutual Aid Association

A total of 49 officers have been elected to membership during the month of June.

## BUILD UP

your insurance estate

by joining the Navy Mutual Aid Association.

The ideal form of protection for the Naval Officer.

Low level premium rates for paid-up protection, high cash, loan and paid-up values.

Room 1038, Navy Department, Washington, D. C.

## ELECTRIC BOAT CO.

Main Office: 33 Pine St., New York, N. Y.

NEW LONDON SHIP AND ENGINE WORKS

GROTON, CONN. Shipbuilders and Engineers

Specialties SUBMARINES

Diesel Engines Nelsco Evaporators

ELECTRO DYNAMIC WORKS

BAYONNE, N. J. "Quality for Half a Century"

Motors and Generators All Types

For every Marine Application

ELCO WORKS

Bayonne, N. J. ELCO CRUISERS

Safety Fuel System Bulkhead Construction Vibrationless Power

PORT ELCO, Park Ave. at 46th St. New York, N. Y.

## The Navy's Aircraft Procurement Program

BY REAR ADM. J. H. TOWERS, USN  
Chief of the Bureau of Aeronautics

UNDER the provisions of the recently passed Naval Aviation Expansion Bill (H.R. 9848), authority exists for the procurement by the Navy of a sufficient number of airplanes to bring the total on hand and available for service to a figure of not less than 10,000. It will be the objective of the Navy Department to achieve this total in the shortest possible time. Funds are being made available in regular, supplemental, and emergency appropriations to finance the procurement of the first substantial increment of the aircraft expansion program. It is contemplated that orders for approximately 3,000 planes, representing every type used by the Navy, will be placed during the fiscal year beginning July 1, 1940. Although deliveries, in many cases, cannot be expected before the fiscal year 1942, no advantage would attend the availability of these planes at an earlier date due to other features of the expansion which must be coordinated with aircraft procurement.

It is of interest to point out that the absorption of 10,000 planes by the Naval Aeronautic Organization will require, first, an accelerated and greatly augmented flight training program which will build up pilot strength to an ultimate total of 16,000. To attain this end, plans contemplate the use of further expanded facilities at the Naval Air Station, Pensacola; the development of training facilities at Jacksonville and Miami; and the establishment of a new station, at Corpus Christi, Texas, which will represent a duplication of Pensacola facilities. In addition, activities at existing Naval Reserve Aviation Bases throughout the country will be increased and other bases of this character acquired to handle the large number of candidates who must be given indoctrination and elimination training before actual admission to the naval aviator's course.

### Development of Bases

Second, as airplane and pilot strength is increased, the development of continental and outlying naval air bases must be pressed to bring this essential feature of the expansion in accord with the program as a whole. In the bill H.R. 9848, there is authorized a sum of approximately \$144,000,000 for this purpose, which will be applied principally to developments and expansion of facilities at the following places:

Folk, Va.	Wake Island
San Juan, P. R.	Johnson Island
San Solo, C. Z.	Quonset Point, R. I.
Seattle, Wash.	Quantico, Va.
Adak, Alaska	Guantanamo, Cuba
Marshall Island Area	Charlotte Amalie, V.I.
San Diego, Calif.	Alameda, Calif.
Adak, Alaska	Tongue Point, Ore.
Adak Island	

Finally, the dates of availability of the vessels carrying complements of aircraft, which vessels are included in the recently passed Naval Expansion Bill, H.R. 8026, will determine the commissioning dates of the squadrons to be assigned these units. It is of particular interest that the bill H.R. 8026 includes three aircraft carriers. These, when added to the one additional carrier already authorized, but for which no funds have been appropriated, will bring the Navy's strength to a total of 11 aircraft carriers. Those in commission at present are the *Saratoga*, *Lexington*, *Ranger*, *Yorktown*, *Enterprise* and *Wasp*. The *Hornet* is under construction.

In connection with the carrier construction program, it is pertinent to point out that these units provide the mobile means for the projection of the Navy's greatest concentrated offensive air effort, and it is evident that the newly authorized vessels of this class will be rushed to completion at the earliest possible date.

### Local Naval Defense

An early increase in the number of patrol-type airplanes available for the fleet and for local naval defense purposes also is an urgent feature of the naval aviation expansion program. The bases for which provision is being made are

essential for the operations of such airplanes, and the increased number of aircraft tenders carried in H.R. 8026 will provide for their mobility when they are not operating in a shore-based status.

The procurement of the large numbers of airplanes required in a short period of time and the recruitment and training of the personnel necessary to support the 10,000-airplane program are the most difficult problems which confront the Navy at the present time. Before the program as a whole can be considered as properly coordinated, it is obvious that the production capacity of the United States aircraft industry must be carefully evaluated, priority in deliveries established, and cognizance taken of the interests of the U. S. Army and other branches of the Government which conflict in any way with the interests of the Navy.

Intensive studies now in progress indicate a satisfactory reconciliation of all differences and the formulation of a general coordinating plan which will insure the expeditious attainment of the desired objective.

### Gen. Phillipson Speaks at Fair

Speaking at the Court of Peace at the New York World's Fair 26 June, Brig. Gen. Irving J. Phillipson, USA, Chief of Staff of the Second Corps Area, declared that it is time for every American "to be ready to assume willingly his obligation to see that our defense forces are brought up to adequate strength to defend our nation, our nation's interests, and our American way of life." The address was made on National Preparedness Day sponsored by the American Defense Society.

"If we as citizens look to the Army for the efficient training of Americans in their duties of national defense," General Phillipson said, "then it is imperative that our defense forces be supplied with modern equipment to meet the demands we all face in a modern world. Every member of our defense establishment is ready and willing to carry out his duty to the defense of our country. It is time for every American citizen to be ready to assume willingly his obligation to see to it that our defense forces are brought up to adequate strength to defend our nation, our nation's interests, and our American way of life. I am confident that an aroused and well-informed American community will answer that America will be ready."

### National Cemetery Superintendents

The position of Superintendent of a National Cemetery has been included in the positions in the competitive classified civil service, therefore, no further examinations will be held by the office of the quartermaster general of the army.

The details of the open competitive examination to be held by the Civil Service Commission will be announced within the near future and will be posted in all first and second class post offices throughout the country and will be published in most newspapers. Admission to the examination will be confined to "meritorious and trustworthy soldiers, either commissioned officers or enlisted men of the volunteer or regular army, who have been mustered out or discharged from the service of the United States and who have been disabled for active field service in the line of duty," in accordance with the requirements of Section 4874 of the Revised Statutes (24 U. S. C. 275).

Those interested in the position may have their names placed on the mailing list to be notified when the next examination will be held, by contacting the United States Civil Service Commission, Washington, D. C.

### Portable Machine Tools

for

Navy Yards and Marine Repair Shops  
Cylinders — Turbine Engine Casings  
Stern Tubes—Deck Lugs, etc.

E. J. ROOKSBY & CO.  
Phila. Pa.

# Steels for Ordnance Use

## Light Armor Plate:

Gun Carriage Shields  
Scout Cars  
Airplanes  
Combat Cars  
Light Tanks  
Medium Tanks  
Navy Small Boats

—all fully machined and formed

## Electric Steel Forging Ingots:

37 mm Gun Barrels

## Special Alloy Bar Steels:

37 mm Projectiles  
Rifle Barrel  
Machine Gun Barrel  
Special Sections for Components

**Qualified Source of Material Supply, under Current Specifications, on the above items, for use by Contractors to the United States Government**

## Regular Commercial Products Include:

Carbon, Alloy and High Speed Tool Steels  
Regular and Special Shape Bars  
Sheets, Plates and Cold Rolled Bands  
Metal and Wood Cutting Saws  
Files, Rasps and Scrapers  
Machine Knives  
Miscellaneous Tools

**Specialists in Steels to Specification**

# HENRY DISSTON AND SONS, INC.



1840



1940

## TACONY, PHILADELPHIA

# ARMY AND NAVY JOURNAL

JOHN CALLAN O'LAUGHLIN,  
President and Publisher

LEROY WHITMAN,  
Editor

Published Every Saturday by the

Army and Navy Journal, Inc.

1701 Connecticut Avenue Northwest, Washington, D. C.

Advertising Rates on Request

"Established in obedience to an insistent demand for an official organ for members of the American Defense and those concerned with it. The Army and Navy Journal will be published in the interest of no party; it will be controlled by no clique. Its independence will be absolute. Its interest will be directed solely to the inculcation of sound military ideas and to the elevation of the public service in all its departments."—From Vol. 1, No. 1, of the Army and Navy Journal, published August 29, 1863.

Representatives:

Hill F. Best  
5 West Larned St.  
Detroit, Michigan—RA 7299  
and  
540 North Michigan Avenue  
Chicago, Ill.—Sup. 2141  
Alleva & Riordan  
Weightman Bldg.  
Philadelphia, Pa.—Rit. 0250

Member of the Audit Bureau of Circulation  
Foreign postage \$1 additional per year

SATURDAY, JUNE 29, 1940

"Let no man dare to say . . . that the question of preparation for national defense is a question of war or peace."—WOODROW WILSON.

## OUR PRIORITY LIST

1. Upward revision of pay schedules for commissioned, warrant, and enlisted personnel, active and retired.
2. Revision of the promotion system for the Staff Corps of the Navy in accordance with the sentiment expressed by the officers concerned; perfection of the Navy Line Personnel Act; authorization for the retirement of colonels of the Army with the rank of brigadier general; clarification of the coast guard promotion system.
3. Expansion of the Regular Army and the National Guard to a strength of at least 550,000 men with provision for complete personnel and materiel and training for 100 per cent efficiency; personnel for the Navy and Marine Corps capable of fully manning all vessels of the fleet and the Fleet Marine Force.
4. Additional increases in grades and ratings, with compensation for technical knowledge and skill required by modernization.
5. Active duty training and service school attendance for available officers of the Reserve Corps; appropriations for the expansion program of the Naval Reserves.
6. Revision of pension laws to assure widows of the Regular Services a living income.
7. Compensation for service personnel whose privately owned automobiles are employed on Government business.

DISPLAYING ITS EXPECTED magnificent spirit of patriotism, Industry is gearing its machine to provide the munitions which will enable preservation of American peace, and, if that be impossible, victory in war. It has no delusions as to the task before it. It knows that although Congress is appropriating billions, it cannot reach the point of adequate production without time. It will minimize that time by every device which the fertile minds of its experts can suggest. But when it is in production, no one doubts it will turn out planes, ships, guns and ammunition in quantities ample for the Armies which the Emergency may need.

It is a glowing mosaic of cooperation which now is being fashioned. There are the recommendations of the President and the Secretaries of War and Navy for the appropriation of ample moneys, and their adoption by Congress with heartening unanimity. There are the activities of the War and Navy Departments to increase the personnel of their establishments, to equip them with the latest weapons, and to speed production of materiel. There is Industry ready and willing to do its part, so anxious to serve that it is releasing such outstanding executives as Messrs. Knudsen, Budd and Stettinius, to handle the business end of the gigantic preparation which the wars abroad necessitate. But in the mosaic there is one block which as a key may gravely mar it. It is politics. The experience of the World War and the experience of business throughout time shows that completely satisfactory results cannot be obtained unless, as General Charles G. Dawes stated last week, there is "central command—under one Chief." Lack of authority, division of authority, are always fatal whatever the size of the enterprise, and the United States is now engaged in one which will tax all its managing genius and all its resources. What we have now is a Commission reporting to the Council of National Defense, neither of which has the dictatorial power necessary for speed in results. While the President is giving his backing to the Defense Commission, it is to be hoped he will promptly agree to the Dawes plan of a Chief Coordinator appointed by the President and to act under his authority alone. As that Chief Coordinator, he should name Mr. Knudsen, a choice the nation and its Army and Navy would welcome, knowing that the job given him would be well and efficiently done.

IT HAS BEEN TRULY SAID OF Harry H. Woodring that during the seven years he was Assistant Secretary and Secretary of War, he never made a mistake in his administration of the Army. A comprehensive tribute, but attested to by the officers who had the privilege of serving under him. It is their statement that if a mistake was made, it was not his own, but that of his advisers. It was his effort to pick officers of recognized ability and capacity for key posts. It was their business to know all about military affairs, it was his business if a matter were purely military to approve what they recommended, if it had a political angle for him to apply that angle so as to preserve the military principle. He was the spokesman of the General Staff at the Cabinet meetings and its defender when it was criticized. General MacArthur, General Craig and General Marshall all responded to his loyalty with equal loyalty. The same spirit animated his relations with the numerous Chiefs of Arms and Services. For a long time there were differences between him and Assistant Secretary of War Johnson, but these were happily adjusted by mutual forbearance. Obviously, it was a case of two men who had not gotten together, but who when they did, developed a rare friendship. Not only will the Army High Command miss Mr. Woodring, but so will Congress, which placed implicit reliance in his word and which always complied with his request to enact legislation the President sought, even though dubious about the wisdom of it. Mr. Woodring has left the War Department, but we can assure him that he carries into retirement the best wishes of the Service he served so well.

## Service Humor

### More to Follow

Three explorers in the bush had run out of food. With only one cartridge left, they drew lots to decide who should use it.

The winner set off, but had not gone far before he was faced by two lions, and fled back to the tent, hotly pursued by the beasts.

Just as they made their final spring, he stepped smartly to one side, allowing the lions to burst through the tent opening.

Quickly closing the flaps, he shouted to his companions: "Start skinning these two while I look around for a few more."

—5th Corps Area News.

### Not Greedy, Anyhow

"If you are naughty, Peter, you won't go to heaven."

"Well, last week I went to the circus, and yesterday I went to the movies. I can't expect to go everywhere."

—Contributed.

### First Hand Knowledge

"Hain't you better go and tell your father?" said the motorist to the farmer's boy who stood looking at the load of hay upset in the lane after the collision.

"He knows," replied the boy.

"Knows? How can he know?"

"He's under the hay."

—The Pointer.

### Anchored on the Stix

Sunday visitor to the Navy Yard: "Can you direct me to the USS SATAN?"

Sentry: "Never heard of it."

Visitor: "That's odd! Here is a newspaper which says the Navy Yard Chaplain will preach this morning on SATAN, the great destroyer."

—Bamboo Breezes.

### Weakly Poem

She stood in the street at midnight,  
As the traffic homeward sped.  
She was struck by the beauteous moonlight,  
But that's not the reason she's dead.

—The Log.

The fact that the international situation, the expanding defense programs and the national political conventions have not robbed the services of their sense of humor is a good omen. Unable to award a decoration for heroism in battle, a nomination to head the nation or a private appropriation for all contributors, the Humor Editor can and does award honorable mention to "T.E.B." for completing the limerick of 15 June to read as follows:

There was a trooper named Burse,  
Who was very adept at blank verse,  
His buddies were scornful,  
For his rhymes were all mournful,  
So they gave him a ride in a hearse.

However, away from the morbid thoughts. Send in a last line for the unfinished limerick below and win a brand new Honorable Mention. Be the envy of your comrades and the poet laureate of the post.

They tell of an ensign named Boyce,  
Who while on duty once lost his voice,  
The blinker he manned,  
You can quite understand,

(Any similarity in names to persons living or dead is purely coincidental.)

## ASK THE JOURNAL

SEND your queries to the ARMY AND NAVY JOURNAL QUESTION EDITOR and an answer will be given in this column as soon as possible after receipt.

W. C. W.—The Adjutant General's office does not report having received your application for foreign service detail to Hawaii. Since it may have gone astray, it is suggested you submit a new application.

J. J. & W. S.—The bill, H. R. 9158 which extends the time limit in which alien enlisted men of the Army may perfect their citizenship, has passed the House and is now before the Senate Military Affairs Committee.

F. G. D.—The bill, S. 458, which would extend benefits of adjusted compensation to World War provisional officers, has passed the Senate and has been reported to the House this week. It is now on the House calendar.

## In the Journal

### 10 Years Ago

Fort George G. Meade has a new hospital, Col. F. M. Hartsock, MC, USA, 3rd Corps Area surgeon, announced this week. Colonel Hartsock stated that the new building has just been completed at a cost of \$243,233 and will be available for use of personnel undergoing summer training at the post.

### 20 Years Ago

Capt. Albert E. Phillips, Cav., USA, has returned to the Quartermaster Depot, at Jeffersonville, Ind., where he is supervising construction of pack outfits he has designed for the use of the Infantry and Cavalry. When he completes his work, Captain Phillips will go to Fort Riley, Kans., his permanent station.

### 30 Years Ago

A temporary torpedo division, the First Torpedo Division, has been formed from the torpedo boats in reserve at Charleston, S. C., under command of Lt. Charles A. Blakely, USN, and the division will make a practice cruise to Chesapeake and Narragansett bays. The division will return to its original station and the ships again put in a reserve category at the conclusion of the cruise.

### 50 Years Ago

The Board of Visitors to the United States Naval Academy has recommended that the course be shortened to the former limit of four years, instead of the present six year term. The board stated that the additional two years at sea are clearly a hardship and are of no positive advantages.

### 75 Years Ago

A column consisting of the Second Missouri Light Artillery, equipped as cavalry, and the Twelfth Missouri Cavalry, lately passed Columbus, Neb., en route to the Powder River country to cooperate with two other columns now preparing to march from Laramie against the hostile Indians.

War Department  
Organized Reserves

## OFFICIAL ORDERS

Navy Department  
Marine Corps

## ARMY ORDERS

Acting Secretary of War  
Louis Johnson  
Chief of Staff  
General George C. Marshall

## GENERAL OFFICERS

Brig. Gen. Jonathan M. Walnwright, from Ft. Clark, Texas, to Philippine Dept. Sall Charleston, 16 Sept. 1940.  
Brig. Gen. Philip B. Peyton, from Wash., D. C. 1 July, to 8th Div., Camp Jackson, S. C.  
Brig. Gen. Joseph W. Stillwell, from Ft. Sam Houston, Texas, 1 July, to 7th Div., Camp Ord, Calif.

## GENERAL STAFF CORPS

GEN. GEORGE C. MARSHALL, C. of S.  
Lt. Col. Paul W. Newgarden, (Inf.), prior orders revoked; from GSC, Chicago, 22 Aug., to 2d Inf., Ft. Sheridan, Ill.  
Maj. Lewis B. Hershey, (FA), from GSC, War Dept. Gen. Staff, 31 Aug., to Ch. of Staff, with GSC.  
Maj. Thomas J. Betts, (CAC), prior orders revoked.  
Capt. James H. Walker, (Cav.), prior orders revoked.

## ADJUTANT GENERAL'S DEPT.

MAJ. GEN. E. S. ADAMS, AG  
Col. Thurston Hughes, det. as member of GSC, ch. of staff, Panama Canal Dept., 1 July.  
Lt. Col. Henry B. Lewis, prior orders amended; sail Charleston 26 July 1940 for San Fran., Calif.  
Lt. Col. Joseph N. Dalton, prior orders revoked.

## QUARTERMASTER CORPS

MAJ. GEN. EDMUND B. GREGORY, QMG  
Col. Charles A. Clark, retired 30 Nov., for age.  
Lt. Col. Farragut F. Hall, prior orders revoked; from Army Indust. Coll., to Army War Coll., Wash., D. C.  
Maj. George F. Hobson, from Panama Canal Dept., to N. Y. Pt. of Embk., Bklyn., N. Y. Sail Panama 1 July 1940.  
Maj. Thomas E. Campbell, from Bklyn., N. Y., to 8th QM Bn., Camp Jackson, S. C.  
Maj. Werner W. Moore, from Balto., Md., to off. of QMG, Wash., D. C.  
Maj. Mark V. Brunson, prior orders revoked.  
Maj. Hobart R. Gay, prior orders revoked.  
Maj. Paul G. Rutton, from Ft. Sill, Okla., 5 July, to off. of QMG, Wash., D. C.  
Following officers, prior orders revoked:  
Maj. Owen M. Marshburn, and Capt. Henry R. McKenzie.  
Maj. Clarence H. Kells, (Inf.), from Phila., Pa., to off. of QMG, Wash., D. C.  
Maj. Richard W. Johnson, retired, 30 June, disability incident to service.  
Capt. Donald R. Nell, from Dela. Ord. Dep., N. J., to asst. constr. qm., Ladd Fld., Fairbanks, Alaska. Sail Seattle, 22 July 1940.  
Capt. Elmer E. Kirkpatrick, jr., from Bklyn., N. Y., to off. of QMG, Wash., D. C.  
Capt. Albert E. Dennis, from Ft. Myer, Va., to Phila. QM Dep., Phila., Pa.  
Capt. Henry L. Ingham, (FA), from Ft. Francis E. Warren, Wyo., to asst. qm., Camp Ord, Calif.  
Capt. Robert B. Johnston, from MacDill Fld., to Constr. QM, Tampa, Fla.  
Capt. Lewis E. Snell, prior orders amended; from Phila., Pa., to Philippine Dept. Sall N. Y., 14 Sept. 1940.

## MEDICAL DEPARTMENT

MAJ. GEN. JAMES C. MAGEE, SG

## Medical Corps

Col. Carroll D. Buck, retired 30 June, for age.  
Col. Joseph Casper, from Ft. Banks, Mass., to home and await retirement.  
Lt. Col. Samuel M. Browne, from Hot Springs Nat'l Pk., Ark., to Balboa Heights, C. Z. Sall Charleston, 10 Oct. 1940.  
Following Lt. Col., to Ft. Sam Houston, Texas, to examine applicants for Med. Dept. Reg. Army: George C. Beach, jr., James A. Bethea, and Frederic H. Thorne.  
Maj. Alvin L. Gorby, prior orders revoked; from Carlisle Bks., Pa., 15 July, to 2d Med. Bn., Ft. Sam Houston, Texas.  
Following Maj., from station indicated, to Balboa Heights, C. Z. Sall N. Y., 8 Oct. 1940: James P. Cooney, Wash., D. C., and William Kraus, Ft. Dix, N. J.  
Capt. John C. Fitzpatrick, prior orders amended; from Ft. Mason, Calif., 29 June, to N. Y. Gen'l Dep., Bklyn., N. Y.  
Capt. Raymond E. Duke, prior orders revoked.  
1st Lt. Robert N. Lehman, from New York, N. Y., to Panama Canal Dept. Sall N. Y., 8 Oct. 1940.  
Following 1st Lts., from station after name, to organization indicated:  
Hanes M. Fowler, Ft. Moultrie, S. C., to Langley Fld., Va.

Marion F. Green, prior orders revoked; from Ft. Francis E. Warren, Wyo., to Lowry Fld., Colo.

Carl W. Hall, Ft. Leavenworth, Kan., to Barksdale Fld., La.  
John R. McBride, Ft. Hayes, O., to Mitchell Fld., N. Y.

Hallman E. Sanders, Ft. Des Moines, Iowa, to Chanute Fld., Ill.  
Charles C. Scamahorn, Ft. Benjamin Harrison, Ind., to Patterson Fld., O.

Dan B. Searcy, Ft. Ringgold, to Kelly Fld., Texas.

Carl B. Stilson, prior orders revoked; from Ft. Bliss to Kelly Fld., Texas.

## Veterinary Corps

Capt. Earl G. Kingdon, from Ft. Bliss, Texas, to Panama Canal Dept. Sall N. Y. 27 July 1940.

Capt. William F. Collins, from Panama Canal Dept., to N. Y. Pt. of Embk., Bklyn., N. Y. Sall Panama 1 July 1940.

## Nurses Corps

Nurse Ruth J. Diggs, from Wash., D. C., 28 June, to home and await retirement.

## CORPS OF ENGINEERS

MAJ. GEN. JULIAN L. SCHLEY, C. of E.  
Col. Raymond A. Wheeler, from Wash., D. C., to Balboa Heights, C. Z. Sall N. Y., 27 June 1940.

Col. Beverly C. Dunn, prior orders amended; from Honolulu, T. H., 15 July, to 28th Engrs., March Fld., Calif.

Col. Donald H. Connolly, prior orders amended; from Ft. Sam Houston, Texas, to off. of Ch. of Engrs., Wash., D. C.

Following officers, prior orders revoked:  
Lt. Col. William A. Snow, Maj. Bartley M. Harloe, Maj. Anderson T. W. Moore, and Maj. Patrick H. Timothy, Jr.

Lt. Col. Ludson D. Worsham, prior orders revoked.

Lt. Col. Ludson D. Worsham, from Ft. Belvoir, Va., 5 July, to Dist. Engr., Pittsburgh Engr. Dist., Pa.

Maj. Patrick H. Tansey, prior orders revoked.

Maj. Peter E. Bermel, from Hawaiian Dept., to 28th Engrs., March Fld., Calif.

Maj. Patrick H. Tansey, from Wash., D. C., 1 July, to 12th Engr. Bn., Camp Jackson, S. C.

Capt. Herbert W. Ehrigot, from Hornell, N. Y., to Binghamton, N. Y.

Capt. Edward H. Walter, prior orders revoked; from Wash., D. C., 1 Aug., to 21st Engrs., Langley Fld., Va.

Capt. Emil J. Peterson, prior orders revoked; from Boston, Mass., 1 Sept., to 18th Engrs., Ft. Logan, Colo.

Capt. Howard L. Peckham, prior orders revoked.

Capt. Albert Riani, from Wash., D. C., 1 Aug., to Engr. Sch., Ft. Belvoir, Va.

Capt. Robert E. York, from Providence, R. I., 5 July, to 7th Engr. Co., Ft. Benning, Ga.

1st Lt. Edward J. Cotter, prior orders revoked; from Hawaiian Dept., to hq., 9th CA, Pres. of San Fran., Calif.

1st Lt. Carlin H. Whitesell, jr., from Los Angeles, Calif., 1 July, to 28th Engrs., March Fld., Calif.

1st Lt. Francis J. Loomis, from Ft. Belvoir, Va., 30 June, to 28th Engrs., March Fld., Calif.

1st Lt. William J. Ely, prior orders amended; from Hawaiian Dept., to 13th Engr. Bn., Camp Ord, Calif.

1st Lt. Karl F. Eklund, from Ft. Belvoir, Va., 1 July, to 13th Engr. Bn., Camp Ord, Calif.

1st Lt. Julian V. Sollobub, from Pittsburgh, Pa., 5 July, to 8th Engr. Bn., Ft. Belvoir, Va.

Following 1st Lts., from Ft. Belvoir, Va., 1 July, to 12th Engr. Bn., Camp Jackson, S. C.: Salvatore A. Armogida, and Kenneth E. Madison.

2nd Lt. David G. Hammond, from Vicksburg, Miss., 5 July, to 28th Engrs., March Fld., Calif.

2nd Lt. Horace M. Witbeck, prior orders amended; from Hawaiian Dept., to 13th Engr. Bn., Camp Ord, Calif.

2nd Lt. (now 1st Lt.) George J. Murray, jr., prior orders revoked; from Ithaca, N. Y., 11 Aug., to 12th Engr. Bn., Camp Jackson, S. C.

## ORDNANCE DEPARTMENT

MAJ. GEN. C. M. WESSON, C. of O.

Col. Kenneth B. Harmon, from Raritan Arsenal, N. J., to San Fran. Ord. Dist., San Fran., Calif. Sall N. Y., 24 July 1940.

Lt. Col. Edward E. MacMorland, prior orders revoked.

Lt. Col. Cleveland H. Bandholtz, prior orders revoked.

Maj. Garland T. Rowland, from Augusta Arsenal, Ga., 1 July, to hq., 7th CA, Omaha, Neb.

Following officers, from Aberdeen Proving Ground, to Ord. Sch., Md.: Maj. George W. Outland, and Capt. Harold J. Conway.

Maj. James D. McIntyre, from off. of Asst. Sec. of War, to off. of Ch. of Staff, Wash., D. C.

(Continued on Next Page)

## NAVY ORDERS

Acting Secretary of the Navy  
Lewis Compton  
Chief of Naval Operations  
Admiral Harold R. Stark, USN

20 June 1940

Lt. Arthur C. W. Baskin, det. staff, Comdr., Patrol Wing 3 abt. 6 July; to Nav. Air Sta., Pensacola, Fla.

Lt. Norwood A. Campbell, det. Nav. Air Sta., Pensacola, Fla. in July; to USS Yorktown.

Lt. Thomas B. Nebbett, det. Patrol Sq. 24 in July; to Patrol Sq. 20.

Lt. (jg) Bruce P. Ross, det. USS Balch abt. 15 July; to USS Bowditch.

Lt. (jg) David S. Seaman, jr., det. Cruisers, Setg. Force in July; to USS Louisville.

Ens. Charles R. Dodds, det. instn. Nav. Air Sta., Pensacola, Fla. abt. 26 June; to Obs. Sq. 5 (USS New York).

Ens. Joe C. Elliot, det. USS Conyngham in July; to cfo USS Lansdale and on bd. when comm.

Ens. Edward W. Hessel, det. instn. Nav. Air Sta., Pensacola, Fla. abt. 26 June; to Fight. Sq. 7 (USS Wasp).

Ens. Robert R. Stuart, jr., det. USS Ranger abt. 1 July; to cfo PC-451 and on bd. when comm.

Lt. Comdr. Clark T. Alexander (MC), det. USS Relief in July; to Nav. Hosp., San Diego, Cal.

Lt. Comdr. Claude R. Ball (MC), det. Nav. Academy abt. 15 July; to USS Savannah.

Lt. Cecil D. Riggs (MC), det. Nav. Air Sta., Pearl Harbor, T. H. in July; to Patrol Wing Two.

Capt. Paul G. White (DC), det. Nav. Med. Supply Depot, Bklyn., N. Y. abt. 1 July; to Navy Yd., Phila., Pa.

Lt. (jg) James A. English (DC), det. USS Cincinnati abt. 6 July; to Nav. Hosp., Ports., Va.

Capt. John N. Jordan (SC), det. Bu. S. & A., Navy Dept. in July; to Nav. Torp. Sta., Newport, R. I.

Capt. Hervey B. Ransdell (SC), det. Bu. S. & A., Navy Dept. in July; to 12th Nav. Dist. Lt. Donald S. Gordon (SC), det. USS Saratoga in July; to Bu. S. & A., Navy Dept.

Lt. Cecil O. Hamrick (SC), det. Nav. Supply Depot, San Diego, Cal.; to USS Cimarron.

Comdr. Morris M. Leonard (ChC), det. Navy Yd., New York, N. Y., abt. 30 July; to USS Tennessee.

Lt. Comdr. Henry G. Gatlin (ChC), det. USS Yorktown abt. 1 July; to Nav. Trng. Sta., San Diego, Cal.

Ch. Born, John D. Cross, det. Nav. Prov. Grnd., Dahlgren, Va., abt. 25 July; to USS Reina Mercedes.

Bosn. Richard K. Margetta, det. USS Vireo abt. 5 July; to cfo USS Haven and on bd. when comm.

Mach. Morris Schoenberg, det. Rec. Sta., Phila., Pa. in June; to Navy Yd., Phila., Pa.

Pay Chk. Ned L. Thomas, det. USS Pensacola in July; to Nav. Trng. Sta., Norfolk, Va.

21 June 1940

Comdr. James Fife, jr., ora. 16 May to instn., Nav. War Col., Newport, R. I. revoked; continue Subm. Base, New London, Conn.

Lt. Comdr. George C. Crawford, ora. 20 May to Off. Chgs., Subm. Sch., Subm. Base, New London, Conn., revoked; continue Subm. Base, New London, Conn.

Lt. Comdr. Henry E. Eccles, det. Bu. Engr., Navy Dept. in June; to Asiatic Flt.

Lt. Comdr. Douglas P. Stickley, det. USS Salinas abt. 6 July; to cfo USS Prairie and on bd. when comm.

Lt. Comdr. Benjamin N. Ward, det. USS Colorado; continue trt. Nav. Hosp., San Diego, Cal.

Lt. Halford A. Knoetzer, det. USS Uphur abt. 27 July; to Nav. Academy.

Lt. James R. McCormick, det. USS Memphis abt. 13 July; to NROTC Unit, The Tulane Univ. of La., New Orleans, La.

Lt. John L. Wilfong, det. NROTC Unit, Northwestern Univ., Evanston, Ill., abt. 20 July; to USS Phoenix.

Lt. (jg) Thomas M. Fleck, ora. 16 May modified; to exec. off. USS J. Fred Talbott instead instn. Nav. Academy.

Lt. (jg) Kenneth P. Letts, det. USS Fox abt. 20 July; to Nav. Academy.

Lt. (jg) Frederic G. Pegelow, ora. 21 May to USS Welles revoked; continue USS Benham.

Lt. (jg) Robert P. Walker, det. USS Biddle abt. 20 July; to Nav. Academy.

Lt. (jg) Herbert C. Yost, ora. 14 Mar. to instn. Nav. Academy revoked; continue USS Enterprise.

Ens. Neal Almgren, det. USS Yorktown abt. (Please turn to Page 1068)

## MARINE CORPS

Major General Commandant  
Maj. Gen. Thomas Holcomb

Col. Charles R. Sanderson, Retd., assigned active duty in Office of Quartermaster, Hdqrs., Marine Corps.

Lt. Col. William C. Wise, jr., Retd., on 1 July, assign to active duty at Hdqrs., Dept. of Pacific, San Francisco.

Lt. Col. Donald Curtis, detail as Assistant Adjutant and Inspector revoked.

Lt. Col. Howard N. Stent, abt. 5 Aug., det. 4th Marines, Shanghai, China, to Dept. of Pacific, via SS President Cleveland sailing Shanghai, 5 Aug.

Maj. Lester A. Desses, abt. 5 July, det. Marine Corps Schools, Quantico, to duty as Inspector-Instructor, 10th Bn., MCR., New Orleans.

Maj. Donald R. Fox, Retd., on 1 July, assigned to active duty at MB, Puget Sound N.Yd., Wash.

Maj. Herbert Hardy, Retd., on 1 July, assigned to active duty at MB, NAD, Puget Sound, Wash.

Maj. Walter S. Gasper, Retd., on 1 July, assigned to active duty at MB, NYd., Mare 1., Calif.

Maj. Dean Kalbfleisch, Retd., abt. 25 July, det. Recruiting Dist., Chicago, to MB, NYd., Portsmouth, N. H.

Maj. Hamilton M. H. Fleming, ordered to continue on active duty at MB, NYd., Boston, Mass., on retirement on 30 June.

Capt. Chester R. Allen and 1st Lt. Robert E. Hommel, abt. 5 Aug. det. 4th Marines, Shanghai, China, to FMF, San Diego, via SS President Cleveland.

Capt. Fred D. Beans, abt. 15 Aug., det. MD, AE, Peiping, China, to FMF, San Diego, via USS Chaumont.

Capt. William E. Quaster, Retd., Roscoe Arnet, Retd., Edward G. Huefe, Retd., assigned to active duty at MCB, San Diego, Calif.

Capt. Samuel K. Bird, AFM., abt. 10 July, det. MB, NAS, Pensacola, to MB, Parris I., for duty as Paymaster Fleet Marine Forces, that post.

Capt. Clarence J. O'Donnell, orders 29 May modified—ordered to duty in Navy Dept. Wash., D. C.

Capt. Roy M. Gulick, detailed an Assistant Paymaster, effective 1 July.

Capt. Earl B. Hammond, Retd., on 1 July, assigned to active duty at MB, NTS, Keyport, Wash.

Capt. Joseph M. Swinnerton, Retd., on 1 July, assigned to active duty at MCB, San Diego.

Capt. John Waller, Retd., on 1 July, assigned to active duty with MB, NAS, San Pedro.

Capt. John P. McCann, Retd., on 1 July, assigned to active duty at MB, NYd., N. Y.

Capt. James B. Hardie, on retirement 30 June, ordered to continue in active duty as OIC, Recruiting Dist., Portland, Ore.

1st Lt. Loren S. Fraser, abt. 5 Aug., det. 4th Marines, Shanghai, China, to Dept. of Pacific, via SS President Cleveland.

Capt. Archie E. O'Neil, abt. 5 Aug., det. MB, (Please turn to Page 1093)

**Luxemburg**

CIVILIAN & MILITARY TAILORS  
485 MADISON AVENUE, NEW YORK

Officers Uniforms—Civilian Clothes  
Hand-tailored—at a fair price.

The finest CAP in the Army

**Ansell, Ansell & Marshall**

Attorneys at Law

708-715 Tower Building  
Washington, D. C.

**INSURANCE AT COST**

Automobiles  
Household & Personal Effects  
Automobile Accidents

**UNITED SERVICES  
AUTOMOBILE ASSOCIATION**

Fort Sam Houston, Texas

# Army Orders

(Continued from Preceding Page)

C. Maj. Leo J. Dillon, from Army Indust. Coll., to off. of Asst. Sec. of War, Wash., D. C.

Capt. James W. Freeman, from Omaha, Neb., 1 July, to off. of Ch. of Ord., Wash., D. C.

Following officers, prior orders amended: from Watertown Arsenal, Mass., to Aberdeen Proving Ground, Md., 30 June: Capt. Elmo S. Mathews, (SC), 1st Lt. Percy H. Brown, Jr., (FA), 1st Lt. Joseph L. Cowhey, (FA), 1st Lt. Merlin L. DeGuire, (Inf.), 1st Lt. Addison V. Dishman, (FA), 1st Lt. Elwyn N. Kirsten, (FA), 1st Lt. Almon W. Manlove, (Inf.), 1st Lt. James L. McGhee, (Inf.), 1st Lt. William F. Meany, (Inf.), 1st Lt. William Menoher, (FA), 1st Lt. Edward D. Mohlere, (Cav.), Capt. Gervais W. Trichel, from France, to Frankford Arsenal, Phila., Pa.

Capt. George D. Rogers, from Picatinny Arsenal, N. J., 5 July, to off. of Ch. of Ord., Wash., D. C.

1st Lt. Don R. Ostrander, prior orders revoked.

Following 1st Lts., from Watertown Arsenal, Md., 1 July, to Aberdeen Proving Ground, Md.: John D. Armitage, (FA), and George W. White, (Inf.).

1st Lt. Angelo R. Del Campo, Jr., (Cav.), from Watertown Arsenal, Mass., 1 July, to Ord. Sch., Aberdeen Proving Ground, Md.

Following 1st Lts., from Watertown Arsenal, 1 July, to Springfield Arsenal, Mass.: Franklin Kemble, Jr., (CAC), and Ray A. Pillivant, (CAC).

1st Lt. Edward K. Purnell, (Inf.), from Watertown Arsenal, Mass., to Charleston Ord. Dep., S. C.

1st Lt. William A. Call, from Baritan Arsenal, N. J., 1 July, to Ord. Sch., Aberdeen Proving Ground, Md.

Following 1st Lts., from Ord. Sch., 30 June, to Watertown Arsenal, Mass.: Harry E. Mikkelson, (FA), Thurman W. Morris, (Inf.), Charles L. Register, (CAC), Charles L. Simpson, (Inf.), John F. Thorlin, (CAC).

## SIGNAL CORPS

MAJ. GEN. JOSEPH O. MAUBORGNE, CSO  
Maj. Harry L. Vitzthum, from Maxwell Fld., Ala., to Anchorage Air Base, Alaska, Sall N. Y., 24 July 1940.

Capt. William M. Mack, prior orders revoked; from Bklyn., N. Y., to off. of CSO, Wash., D. C.

Capt. Elton F. Hammond, prior orders revoked.

1st Lt. Walter A. Simpson, prior orders amended; from Asbury, Pk., N. J., 1 July, to Maxwell Fld., Ala.

## CHEMICAL WARFARE SERVICE

MAJ. GEN. WALTER BAKER, C. of CWS  
Lt. Col. Adrian St. John, from Maxwell Fld., Ala., 1 July, to CW Sch., Edgewood Arsenal, Md.

Maj. Charles E. Loucks, from France, to asst. military attache, London, Eng.

## CAVALRY

MAJ. GEN. JOHN K. HERR, C. of CAV.  
Lt. Col. Roy E. Blount, from Cav. Sch., to post hq., Cav. Sch., Ft. Riley, Kan.

Lt. Col. Robert W. Grow, prior orders amended; to 7th Cav. Brig., Ft. Knox, Ky.

Maj. William H. W. Reinburg, from post hq., to Cav. Sch., Ft. Riley, Kan.

Maj. Charles F. Houghton, prior orders amended; to 4th Cav., Ft. Meade, S. D.

Maj. Lucian K. Truscott, Jr., prior orders revoked; from Ft. Leavenworth, Kan., 28 June, to 1st Cav. Div., Ft. Clark, Texas.

Maj. John T. Cole, from Cav. Sch., to 2d Cav., Ft. Riley, Kan.

Maj. Charles H. Gerhardt, prior orders revoked.

Maj. Eugene A. Regnier, prior orders revoked.

Following Majs., prior orders revoked: William L. Barriger, and Thomas Q. Donaldson, Jr.

Maj. Harry C. Newshaw, prior orders revoked.

Maj. Rufus S. Ramey, from Ft. Leavenworth, Kan., to off. of Ch. of Staff, Wash., D. C.

Maj. James T. Duke, prior orders revoked; from Army Indust. Coll., to Org. Res., 3d CA, Wash., D. C.

Capt. Charles P. Bixel, prior orders revoked; to 6th Cav., Ft. Oglethorpe, Ga.

Capt. George W. Busbey, from Combat Car Sq., to faculty, Cav. Sch., Ft. Riley, Kan.

Capt. Hayden A. Sears, from Cav. Sch., to Combat Car Sq., Cav. Sch., Ft. Riley, Kan.

Capt. Edward J. Doyle, from Wash., D. C., 15 Sept., to 1st Cav. Div., Ft. Clark, Texas.

Capt. Eugene L. Harrison, prior orders revoked.

Capt. Gilman C. Mudgett, prior orders revoked.

Capt. Harry W. Johnson, prior orders revoked.

Capt. Hamilton H. Howse, from Philippine Dept., to 3d Cav., Ft. Myer, Va.

Capt. Henry I. Hodes, from Army War Coll., to off. of Ch. of Staff, Wash., D. C.

Capt. Joseph M. Williams, from Ft. Brown,

Texas, to 69th QM Bn., Camp Ord, Calif., 27 June.

1st Lt. Loren B. Hillsinger, from Cav. Sch., to 14th Cav., Ft. Riley, Kan.

1st Lt. Ned T. Norris, from 14th Cav., to Combat Car Sq., Cav. Sch., Ft. Riley, Kan.

1st Lt. Edward W. Williams, prior orders revoked.

1st Lt. Cornelius A. Lichlie, from Philippine Dept., to 7th Cav. Brig., Ft. Knox, Ky.

1st Lt. James D. Alger, prior orders revoked; from Philippine Dept., to 7th Cav. Brig., Ft. Knox, Ky.

1st Lt. Ralph E. Haines, Jr., prior orders revoked; from Philippine Dept., to 7th Cav. Brig., Ft. Knox, Ky.

2nd Lt. Roberts S. Demitz, from 2nd Cav., to Combat Car Sq., Ft. Riley, Kan.

## FIELD ARTILLERY

MAJ. GEN. ROBERT M. DANFORD, C. of FA  
Col. Edward P. King, Jr., from Wash., D. C., to Philippine Dept. Sall N. Y., 14 Sept. 1940.

Following officers, prior orders revoked: Lt. Col. Roland P. Shugg, and Capt. Rochester F. McElowney.

Lt. Col. Carlos Brewer, from Newport, R. I., 5 July, to 7th FA, Ft. Ethan Allen, Vt.

Maj. Clinton M. Lucas, prior orders revoked.

Maj. Zim E. Lawhom, from student, to duty, Army War Coll., Wash., D. C.

Maj. Murray M. Montgomery, prior orders revoked.

Following officers, prior orders revoked: Maj. Hugh J. Gaffey, Capt. Maurice W. Daniel, Capt. Norman J. Eckert, Capt. Eugene McGinley, and Capt. Marcus B. Stokes, Jr.

Capt. Eric S. Molitor, prior orders revoked. Capt. Cecil W. Land, from La Fayette, Ind., to 20th FA, Ft. Benning, Ga.

Capt. Frank N. Leakey, prior orders revoked.

Capt. Claude A. Billingsley, prior orders revoked; from Hawaiian Dept., to 20th FA, Ft. Benning, Ga.

Capt. John F. Uncles, from Ft. Sill, Okla., 1 July, to off. of Ch. of FA, Wash., D. C.

Capt. Alfred M. Gruenther, from Ft. Sam Houston, Texas, 1 July, to FA Sch., Ft. Sill, Okla.

Capt. James M. Lewis, prior orders revoked; from FA Bd., 15 July, to 79th FA, Ft. Bragg, N. C.

Capt. Charles A. Pyle, prior orders revoked.

Capt. LeRoy J. Stewart, prior orders revoked; from 18th FA, 1 July, to FA Sch., Ft. Sill, Okla.

Capt. Forester H. Sinclair, prior orders revoked; from 19th FA, Ft. Knox, Ky., to QMC, Philippine Dept. Sall N. Y., 14 Sept. 1940.

Capt. Robert R. Raymond, Jr., from Ihaca, N. Y., 25 July, to 4th FA, Ft. Bragg, N. C.

Following 1st Lts., prior orders amended: from Watertown Arsenal, Mass., to Aberdeen Proving Ground, Md., 30 June: Asher B. Robbins, Jr., and Eldred G. Robbins, Jr.

Capt. Stephen C. Lombard, from Maxwell Fld., Ala., 1 July, to 8th Div., Camp Jackson, S. C.

Capt. Anthony C. McAuliffe, prior orders amended; to GSC, off. of Ch. of Staff, Wash., D. C.

Capt. Charles P. Nicholas, from Ft. Leavenworth, Kan., to 28th FA, Camp Jackson, S. C.

Following 1st Lts., from Ft. Sill, Okla., to 28th FA, Camp Jackson, S. C.: Theodore G. Bilbo, Jr., and Alexander Graham.

1st Lt. Alphonse A. Greene, from West Point, N. Y., to 28th FA, Camp Jackson, S. C.

2nd Lt. George G. O'Connor, prior orders revoked.

## COAST ARTILLERY CORPS

MAJ. GEN. JOSEPH A. GREEN, C. of CAC  
Lt. Col. Robert E. Turley, Jr., prior orders revoked; from Ft. Benning, Ga., 1 July, to 67th Coast Art., Ft. Bragg, N. C.

Lt. Col. James A. Pickering, prior orders revoked.

Lt. Col. Robert H. Van Volkenburgh, from Ft. Benning, Ga., to 6th Coast Art., Ft. Winfield Scott, Calif.

Lt. Col. Carl J. Smith, app. Act. QM, Northeastern N. Y. Recruiting Dist., Albany, N. Y.

Following officers, from student, to duty, Army War Coll., Wash., D. C.: Maj. Morris C. Handwerk, and Capt. George M. Badger.

Maj. James R. Townsend, from Army Indust. Coll., to Army War Coll., Wash., D. C.

Maj. William Q. Jeffords, Jr., prior orders revoked; from Wash., D. C., 1 July, to 61st Coast Art., Ft. Sheridan, Ill.

Maj. Hugh McE. Cochran, from Ft. Monroe, Va., 1 Sept., to 69th Coast Art., Ft. Crockett, Texas.

Following officers, from Panama Canal Dept., to Pan. Coast Art. Det., 19th Coast Art., Ft. Rosecrans, Calif.: Maj. Joseph F. Stiley, and Capt. James R. Goodall.

Capt. Nathaniel A. Burnell, 2d, from Army War Coll., to off. of Ch. of Staff, Wash., D. C.

Capt. Lawrence M. Guyer, from West Point, N. Y., 1 July, to 22d Coast Art., Ft. Constitution, N. Hamp.

Capt. Edward B. Hempstead, to 71st Coast Art., Ft. Story, Va.

Capt. Carl H. Fernstrom, prior orders revoked; from Coast Art. Sch., Ft. Monroe, 5 July, to 71st Coast Art., Ft. Story, Va.

Capt. Willis A. Perry, from Cambridge, Mass., 1 Sept., to 67th Coast Art., Ft. Bragg, N. C.

Capt. Robert W. Berry, prior orders revoked; from Wash., D. C., 1 July, to 67th Coast Art., Ft. Bragg, N. C.

Capt. Alha C. Spalding, prior orders revoked; from Wash., D. C., 1 July, to 71st Coast Art., Ft. Story, Va.

Capt. Lee A. Denson, Jr., prior orders revoked; from Wash., D. C., to 67th Coast Art., Ft. Bragg, N. C.

Capt. John S. Henn, from Hawaiian Dept., to Pan. Coast Art. Det., 19th Coast Art., Ft. Rosecrans, Calif.

1st Lt. Walter F. Ellis, from Ft. Monroe, Va., 1 July, to 9th Coast Art., Ft. Banks, Mass.

1st Lt. Thomas D. Neler, prior orders revoked; from Ft. Monroe, 5 July, to 71st Coast Art., Ft. Story, Va.

1st Lt. Charles S. O'Malley, Jr., prior orders revoked; from Ft. Monroe, Va., 5 July, to 67th Coast Art., Ft. Bragg, N. C.

1st Lt. Avery J. Cooper, Jr., prior orders revoked; from Ft. Monroe, Va., 5 July, to 69th Coast Art., Ft. Crockett, Texas.

1st Lt. Wallace H. Brucker, prior orders revoked; from Ft. McPherson, Ga., 5 July, to 67th Coast Art., Ft. Bragg, N. C.

Following 1st Lts., prior orders amended; to station indicated: Byron L. Paige, 69th Coast Art., Ft. Crockett, Texas; Arnold Sommer, 71st Coast Art., Ft. Story, Va.; Donald B. Webber, 67th Coast Art., Ft. Bragg, N. C.

1st Lt. John N. Howell, prior orders revoked; from Coast Art. Sch., 15 Aug., to 57th Coast Art., Ft. Monroe, Va.

1st Lt. Gaspare F. Blunda, prior orders amended; to 62d Coast Art., Ft. Totten, N. Y.

Following 1st Lts., prior orders revoked: Robert H. Kessler, Henry D. Lind, Thomas McG. Metz, and H. Bennett Whipple.

1st Lt. Maxwell M. Kallman, prior orders amended; from Hawaiian Dept., to 6th Coast Art., Ft. Winfield Scott, Calif.

1st Lt. Oren Swain, from Ft. Monroe, Va., to 6th Coast Art., Ft. Winfield Scott, Calif.

1st Lt. Thomas McG. Metz, from Ft. Monroe, Va., to 65th Coast Art., Ft. Winfield Scott, Calif.

Following 1st Lts., from Ft. Monroe, Va., to station indicated: Robert H. Kessler, to 67th Coast Art., Ft. Bragg, N. C.; Henry D. Lind, to 9th Coast Art., Ft. Banks, Mass.

2nd Lt. Edward W. McLain, prior orders revoked; from Ft. Monroe, Va., 5 July, to 69th Coast Art., Ft. Crockett, Texas.

Following persons app as 2nd Lts., CAC, Reg. Army, 25 June, at station indicated: Joseph Paul D'Arezzo, 63d Coast Art., Ft. MacArthur, Calif.; John Frederick Freund, 71st Coast Art., Ft. Story, Va.

2nd Lt. Harold O. Johnson, from Ft. Winfield Scott, Calif., 20 July, to 75th Coast Art., Ft. Lewis, Wash.

## INFANTRY

MAJ. GEN. GEORGE A. LYNCH, C. of Inf.  
Col. John H. Hester, asst. as executive for Reserve affairs, off. of Ch. of Staff, Wash., D. C.

Col. Harry J. Keeley, from Panama Canal Dept., to hq., 6th CA, Chicago, Ill.

Lt. Col. William H. Gill, from Wash., D. C., to GSC, 8th Div., Camp Jackson, S. C., 1 July.

Following officers, from student to duty, Army War Coll., Wash., D. C.: Lt. Col. Lloyd H. Cook, and Capt. Eugene W. Riddings.

Lt. Col. Robert C. Macon, prior orders revoked.

Lt. Col. Edward S. Johnston, prior orders revoked.

Lt. Col. Gabriel T. Mackenzie, prior orders revoked.

Lt. Col. Edward M. Almond, from Newport, R. I., to off. of Ch. of Staff, Wash., D. C.

Lt. Col. Eugene M. Landrum, prior orders revoked.

Lt. Col. William J. Morrissey, from Phila., Pa., to Hawaiian Dept. Sall N. Y. 28 Aug. 1940.

Lt. Col. Frank L. Cullin, Jr., from Wash., D. C., to 7th Div., Camp Ord, Calif. Sall N. Y. 24 July 1940.

Maj. Loyd Van H. Durfee, from Ft. Jay, N. Y., to Hawaiian Dept. Sall N. Y. 24 July 1940.

Maj. Loren A. Wetherby, from Seattle, Wash., to Instr., Inf., Mass. N. G., Worcester, Mass. Sall S. F. 27 July 1940.

Maj. John Lynch, from Ft. Snelling, Minn., 1 Sept., to Org. Res., 6th CA, Chicago, Ill.

Maj. Henry W. Isbell, from Ft. Snelling, Minn., 1 July, to Riverside Acad., Gainesville, Ga.

Maj. Henry F. Thompson, from Army War Coll., to off. of Ch. of Staff, GSC, Wash., D. C.

Maj. Tom S. Brand, from CCO, to IGD, 8th CA, Ft. Sam Houston, Tex.

Maj. John R. Fountain, from St. Louis, Mo., 31 July, to Instr., Inf., Mass. N. G., Charlestown, Mass.

Maj. Bernard F. Hurless, from Ft. McPherson, 1 July, to hq., 4th CA, Atlanta, Ga.

Maj. Charles H. Karlstad, from Ft. Leavenworth, Kan., to off. of Ch. of Staff, Wash., D. C.

Capt. Eugene L. Miller, prior orders revoked.

Capt. Jacob R. Moon, prior orders revoked.

Capt. Louis A. Hammack, prior orders re-

voked.

Capt. Harvie R. Matthews, prior orders revoked.

Capt. Wilbur E. Dunkelberg, from Wash., D. C., to 8th Div., Camp Jackson, S. C.

Capt. Peter T. Wolfe, from Ft. Lewis, Wash., to Manlius Sch., Manlius, N. Y. Sall S. F. 27 July 1940.

Capt. Eugene L. Miller, from Arlington Cantonment, Va., to off. of IG, Wash., D. C.

Capt. Joseph H. Harper, from Ft. McPherson, Ga., 1 July, to 22d Inf., Ft. McClellan, Ala.

Following Capts., prior orders revoked: Frederick M. Thompson and James F. Torrence, Jr.

Capt. Joseph W. Boone, prior orders revoked; from Army Indust. Coll., to off. of Ch. of Staff, Wash., D. C.

Capt. Martin F. Haas, from Ft. Devens, Mass., to off. of Ch. of Staff, Wash., D. C.

Capt. George F. Will, det. in FID, Panama Canal Dept., 1 Aug.

Capt. William F. Dean, from Army War Coll., to off. of Ch. of Staff, Wash., D. C.

1st Lt. Robert H. Stumpf, from Ord. Sch., 30 June, to Watertown Arsenal, Mass.

Following officers prior orders amended: from Watertown Arsenal, Mass., to Aberdeen Proving Ground, Md., 30 June:

Capt. Frederick G. Crabb, Jr., 1st Lt. Peter P. Bernd, 1st Lt. James S. Brierley, 1st Lt. Stanley W. Connelly, 1st Lt. John R. V. Dickson, 1st Lt. Oscar G. Kreiser, 1st Lt. James S. Luckett, and 1st Lt. Charles H. Wood.

1st Lt. Nathaniel P. Ward, 3rd, prior orders revoked.

1st Lt. Edwin Van V. Sutherland, prior orders revoked; from Ft. Benning, Ga., to 99th Anti-Tank Bn., Ft. Lewis, Wash. Sall N. Y. 28 Aug. 1940.

1st Lt. Norman B. Edwards, prior orders revoked; from present assign., to 67th Inf., Ft. Benning, Ga.

Following 1st Lts., prior orders amended: from Ft. Benning, Ga., to 8th Div., Camp Jackson, S. C.: George H. Gerhart, John A. Heintges, and Eric P. Ramee.

1st Lt. Russell L. Hawkins, prior orders amended; from present duty, to 8th Inf., Ft. Benning, Ga.

Following 1st Lts., prior orders amended: from Ft. Benning, Ga., to station indicated: Paul T. Carroll to 19th Inf., Ft. Thomas, Ky.; Marcus S. Griffin to 93rd Anti-Tank Bn., Ft. George G. Meade, Md.; John A. Metcalfe to 2nd Inf., Ft. Brady, Mich., and John Williamson to 18th Inf., Ft. Hamilton, N. Y.

## AIR CORPS

MAJ. GEN. HENRY H. ARNOLD, C. of AC  
Col. Robert E. M. Goodrick, from Moffett Fld., Calif., 7 July, to Ft. Lewis, Wash.

Col. Leo A. Walton (Lt. Col.), from Maxwell Fld., Ala., 1 July, to Stockton, Calif.

Col. Henry W. Harms (Lt. Col.), from Pres. of San Fran., Calif., 1 July, to West Coast AC Training Center, Moffett Fld., Calif.

Lt. Col. Frank O'D. Hunter (Maj.), from France, to asst. military attache, London, Eng.

Following officers temp. app., to rank indicated: Lt. Col. Donald P. Muse to Col., 17 June; Maj. Leo F. Post to Lt. Col., 23 June; and Maj. John C. Kennedy to Lt. Col., 23 June.

Lt. Col. Floyd E. Galloway (Maj.), prior orders revoked; from Wash., D. C., 30 June, to Southeast AC Training Center, Montgomery, Ala.

Maj. Roland Brann (Capt.), prior orders amended; to Langley Fld., Va., 25 June.

Maj. Charles W. Steinmetz, from Central AC Procurement Dist., to Materiel Div., Wright Fld., Ohio.

Maj. Harry A. Johnson, from Newport, R. I., 5 July, to Chanute Fld., Ill.

Maj. John DeF. Barker (Capt.), from Ft. Leavenworth, Kan., to off. of Ch. of Staff, Wash., D. C.

Following officers, from station indicated, 1 July, to West Coast AC Training Center, Moffett Fld., Calif.: Maj. Leland R. Hewitt, Randolph Fld., Tex.; Maj. David H. Schlatter (Capt.), Kelly Fld., Tex.; 1st Lt. Harvey P. Huglin, Kelly Fld., Tex.

Maj. Edward H. White (Capt.), from Wash., D. C., 1 July, to Materiel Div., Wright Fld., Ohio.

Capt. Alfred R. Maxwell, prior orders amended; to asst. commdt., AC Engr. Sch., Wright Fld., Ohio.

Capt. Robert S. Marcum, prior orders revoked.

Capt. George G. Northrup, from McChord Fld., to 1st Photo. Sq., Ft. Lewis, Wash.

1st Lt. Arthur A. Fickel, from Mitchell Fld., L. I., N. Y., to Langley Fld., Va.

2nd Lt. John R. Kilgore, from Santa Maria, to Grand Central Air Term., Glendale, Calif.

## PROMOTIONS

Ch. Ralph W. D. Brown (1st Lt.), to Capt., 24 June.

Following officers to rank indicated, 1 June: Lt. Col. Allen R. Kimball, QMC, to Col.

Lt. Col. William J. Calvert, QMC, to Col.

Capt. George M. Grimes, QMC, to Maj.

Capt. John H. Doherty, FD, to Maj.

Maj. James L. Guion, OD, to Lt. Col.

# Army Orders

(Continued from Preceding Page)

Lt. Col. Roscoe C. Batson, FA, to Col.  
Lt. Col. Ira T. Wyche, FA, to Col.  
Lt. Col. George D. Wahl, FA, to Lt. Col.  
Maj. Basil H. Perry, FA, to Lt. Col.  
Maj. Ray H. Lewis, FA, to Lt. Col.  
Maj. Augustus M. Gurney, FA, to Lt. Col.  
Lt. Col. John L. Homer, CAC, to Col.  
Maj. Harold R. Jackson, CAC, to Maj.  
Capt. Walter H. Carlisle, CAC, to Maj.  
Capt. William H. Papenfoth, CAC, to Maj.  
Capt. Walter L. Weible (CAC), GSC, to Maj.  
Capt. Rupert E. Starr, CAC, to Maj.  
Lt. Col. David H. Cowles, Inf., to Col.  
Maj. John T. Murray, Inf., to Lt. Col.  
Maj. Warfield M. Lewis, Inf., to Lt. Col.  
Capt. Edward B. Jackson, Inf., to Maj.  
Lt. Col. Ira A. Rader, (AC), IGA, to Col.  
Maj. William O. Butler, AC, to Lt. Col.  
Capt. Carlyle H. Ridenour, AC, to Maj.;  
Capt. Bennett E. Meyers, AC, to Maj.; Capt.  
Paul H. Prentiss, AC, to Maj.; Capt. War-  
ren A. Maxwell, AC, to Maj.; Capt. Frederick  
H. Hopkins, jr., AC, to Maj.; and Capt. Leo-  
nard D. Weddington, AC, to Maj.

Following officers to rank indicated at date shown:  
Capt. Howell Harrell, QMC, to Maj., 18 June.  
Capt. Maurice E. Jennings, CWS, to Maj., 17 June.  
Lt. Col. Thomas J. J. Christian, FA, to Col., 17 June.  
Maj. Rex W. Beasley, FA, to Lt. Col., 17 June.  
Capt. Edward M. Powers, AC, to Maj., 17 June.

## TRANSFERS

Following 2nd Lts., to AC, 22 June; from Kelly Fld., Tex., to station indicated:  
To Hamilton Fld., Calif.—Harry N. Brandon, CE; Melvin V. Engstrom, Inf.; Strother B. Hardwick, jr., FA; Laird W. Hendricks, CAC; George E. Howard, jr., SC; Edwin J. Latoszewski, FA; William K. Martin, Inf.; James E. Mather, Cav.; William L. McDowell, jr., Cav.; Cecil C. McFarland, Inf.; Norman J. McGowan, CAC; Elbert O. Meals, CAC; Richard V. W. Negley, jr., Cav.; John G. Pickard, CAC.

To March Fld., Calif.—Adam K. Breckenridge, Cav.; Elmore G. Brown, Inf.; John W. Carpenter, 3rd, FA; John A. Chechila, SC; Warner W. Croxton, jr., FA; Joseph L. Dickman, Inf.; Benoit E. Glawe, FA; Charles H. Hillhouse, FA; John E. L. Huse, Inf.; William C. Jones, Cav.; Harmon Lampley, jr., FA; Robert R. Little, FA; Paul J. Long, Inf.; Richard G. Lycann, FA; Leonard N. Palmer, SC; Edwin P. Schmidt, Inf.; Elliott Vandevanter, jr., Inf.; Robert C. Whipple, Inf.; David K. White, CAC; James W. Wilson, Inf.

To Langley Fld., Va.—Milton B. Adams, Inf.; Charles H. Bowman, Inf.; Elwood P. Donohue, FA; Albert L. Evans, jr., CAC; James D. Garcia, CAC; William A. Garnett, Cav.; Robert D. Hunter, Cav.; Joseph T. Kingsley, jr., CAC; Salvatore E. Manzo, Inf.; Matthew J. McKeever, jr., Inf.; Maurice M. Miller, Inf.; Raymond T. Petersen, Inf.; Roger E. Phelan, FA; Eugene A. Romig, Inf.; Henry R. Sullivan, jr., FA.

Following 2nd Lts., to AC, 22 June; from Kelly Fld., to Brooks Fld., Tex.: Benjamin F. Avery, 2nd, Inf.; Frederick H. Forster, jr., CAC; Ernest B. Maxwell, FA; Robert B. Miller, CAC; Richard S. Morrison, SC; Daniel P. Tatum, Inf.; and Prentiss D. Wynne, jr., CAC.

Following 2nd Lts., to AC, 22 June; from Kelly Fld., to AC Primary Flying Sch., Randolph Fld., Tex.: Walter J. Alsop, Inf.; Burnham L. Batson, Inf.; Donald R. Boss, CAC; William S. Boyd, Inf.; Thomas J. J. Christian, jr., FA; Roscoe C. Crawford, jr., CE; John C. Edwards, Inf.; Walter W. Farmer, CE; Shepler W. FitzGerald, jr., FA; Joseph H. Frost, FA; Robert E. Greer, CAC; Hugh A. Griffith, jr., SC; Allen P. Herzberg, SC; Perry M. Hoisington, 2nd, Inf.; Carl W. Hollstein, Inf.; Frank W. Iseman, jr., FA; Ellsworth R. Jacoby, Inf.; George Y. Jumper, Cav.; Andrew J. Kinney, CAC; James B. Knapp, SC; Charles J. Long, 3rd, CAC; James L. McBride, jr., CAC; John L. McCoy, Inf.; Jack G. Merrell, Cav.; Paul R. Okerbloom, SC; Joseph G. Perry, CE; Robert C. Richardson, 3rd, Cav.; Robert J. Rogers, Inf.; John S. Samuel, CE; Robert C. Sears, Inf.; William T. Smith, CAC; Lewis W. Stocking, Inf.; Robert C. Twyman, SC; Leon R. Vance, jr., Inf.; Alfred V. Walton, Inf.; Charles M. Walton, jr., Inf.; Thomas B. Whitehouse, Cav.; Ray J. Will, Inf.; Robert M. Wray, SC; Tilden P. Wright, CAC; George W. R. Zethren, FA.

1st Lt. J. Paul Craig, FA to AC, 22 June; from Kelly Fld., to AC Primary Flying Sch., Randolph Fld., Tex.  
2nd Lt. Roy R. Brischetto, Inf., to AC, 22 June; from Kelly Fld., Tex., to Hamilton Fld., Calif.

## ORDERS TO RETIRED OFFICERS

Lt. Col. James A. Watson, 28 June, to Agr. and Mech. Coll. of Texas, College Station, Tex.  
Lt. Col. John C. Beatty, to Watervliet Arsenal, N. Y., with rank of Maj.  
Maj. Robert B. Field, 1 July, to off. of QMG, Wash., D. C.

## WARRANT OFFICERS

W. O. Raymond Morgan, retirement revoked.

W. O. James Sipolaki, from Lexington, Va., to Philippine Dept. Sail N. Y. 14 Sept. 1940.

W. O. Birchard E. Randall, retired with rank of Capt., 31 Oct., upon his own application after more than 41 years' service.

W. O. John V. King, prior orders amended; to JAGD, Philippine Dept.

W. O. Joseph Taylor, prior orders revoked; retired with rank of Capt., 30 Nov., upon his own application after more than 34 years' service.

W. O. William J. Johnson, from Panama Canal Dept., 6 July, to hq., 9th CA, Pres. of San Fran., Calif. Sail C. Z., 6 July 1940.

W. O. Emil G. Rolf, from Pres. of San Fran., Calif., to 1st Cav. Div., Ft. Bliss, Tex.

## ORDERS TO ENLISTED MEN

Following enlisted men to Cav. Sch., Ft. Riley, Kan., in courses indicated, 10 July:  
Horseshoers' Course—Pvt. James E. Smitley, Pvt. Alfred L. Jennings, Pvt. Raymond H. Noye, Pvt. John S. Mavity, Pvt. Iel Ivan W. Edmunds, Pvt. Harold A. Merriis.  
Saddlers' Course—Pvt. Demeter Wolshem, Pvt. David E. Sexton.

## RETIREMENT OF ENLISTED MEN

S. Sgt. John McLean, QMC, retirement revoked.

Cpl. Antonio Calpofro, Co. E, 45th Inf., (PS), at Ft. William McKinley, P. I., 30 June.  
M. Sgt. Renzo Dare, Cav. Sch. Det., at Ft. Riley, Kan., 30 June.

1st Sgt. Ward Shoop, Co. A, 11th Inf., at Ft. Benjamin Harrison, Ind., 30 June.

M. Sgt. Patrick H. Heavey, Hq. and Serv. Tr., 12th Cav., at Ft. Ringgold, Tex., 30 June.

Sgt. Emil A. Nehm, Co. F, 7th Inf., at Vancouver Bks., Wash., 30 June.

S. Sgt. Candido Lopez, Med. Dept., at San Juan, P. R., 30 June, with rank of 2nd Lt.

1st Lt. Alexander E. Fustolo, Co. C, 6th Inf., at Jefferson Bks., Mo., 30 June.

1st Sgt. Frank E. Ural, Const. Art., Sch. Det., at Ft. Monroe, Va., 30 June.

M. Sgt. August F. Uhl, jr., Med. Dept., at Fitzsimons Gen'l Hosp., Colo., 30 June.

S. Sgt. Lafayette Printup, QMC, at Ft. Riley, Kan., 30 June, with rank of 1st Lt.

S. Sgt. Oscar F. Klayer, Serv. Co., 6th Inf., at Jefferson Bks., Mo., 30 June, with rank of 2nd Lt.

1st Sgt. Joaquin Mercado, Co. G, 65th Inf., at San Juan, P. R., 30 June.

M. Sgt. Alfred Zubiller, DEML, (USMA Engr. Det.), at West Point, N. Y., 30 June.

M. Sgt. Sydney Ambrose, Hq. Btry., 14th Const. Art., at Ft. Worden, Mass., 30 June.

## ORDERS TO RESERVES

### Extended Active Duty With AGD

Maj. James W. Boyer, jr., 28 June, to Wash., D. C., until 27 June 1941.

2nd Lt. Mark J. J. Leonard, prior orders amended; from Ft. Snelling, Minn., to home, 24 Aug. 1940.

### Extended Active Duty With JAGD

Capt. James W. Ellis, 1 July, to Chicago, Ill., until 30 June 1941.

### Extended Active Duty With MC

1st Lt. Ivan C. Dimmick, jr., prior orders revoked; 6 July, to Fitzsimons Gen'l Hosp., Denver, Colo., until 5 July 1941.

Capt. Milton A. Juster, cont'd at Army Med. Center, Wash., D. C., until 25 July 1941.

1st Lt. Eugene E. Ahern, 15 July, to Ft. Snelling, Minn., until 14 July 1941.

1st Lt. Howard L. Morris, 1 July, to Barksdale Fld., La., until 30 June 1941.

1st Lt. Cecil E. Miller, from Army Med. Center, Wash., D. C., to inactive status.

1st Lt. Nicholas J. Bruno, 15 July, to

(Continued on Next Page)



## REGIMENTAL CRESTS

Manufacturers for regular Army, National Guard and Reserve Organizations.

We have been retained to develop the majority of the approved regular army designs.

Manufacturer's drawings and samples for War Department approval included in initial quotation.

A brochure entitled "Distinctive Insignia Suggested Procedure for Adoption and War Department Approval" is available to all Company Commanders on request.



**N. S. Meyer, Inc.**  
419 Fourth Ave.  
New York



# WE ARE READY

"So far as the national defense program is concerned, the petroleum industry of today merely asks *how much* of our products is needed, *where* and *when*. Its enormous capacity for performance would not be exerted to the full under any condition that can be imagined."

From a recent speech of Mr. Frank Buttram, President of the Independent Petroleum Association of America.

We of the petroleum industry feel that our industry performed well in the last war. We are prepared to do a better job today. And Pure Oil knows it speaks for the entire industry when we say, "We are ready."

**THE PURE OIL COMPANY, U.S.A.**

CHICAGO

## Army Orders

(Continued from Preceding Page)

Chanute Fld., Ill., until 15 July 1941.  
Capt. T. C. Alexander, from Ft. Francis E. Warren, Wyo., to home and inactive status, 14 July 1940.

1st Lt. Charles E. Hollingsworth, 1 July, to Ft. Francis E. Warren, Wyo., until 30 June 1941.

1st Lt. Robert C. Selby, 1 July, to Ft. MacArthur, Calif., until 30 June 1941.

1st Lt. Louis Halperin, 15 July, to Hamilton Fld., Calif., until 14 July 1941.

1st Lt. Emmett B. Drescher, 1 July, to Scott Fld., Ill., until 30 June 1941.

1st Lt. Lewis J. Richards, 1 July, to Ft. Bragg, N. C., until 30 June 1941.

1st Lt. Wilson Lyday, 1 July, to Camp Jackson, S. C., until 30 June 1941.

Capt. Roy H. Cantrell, 1 July, to Dallas Aviation and Air Coll., Tex., until 30 June 1941.

1st Lt. Alan B. Enker, 1 July, to Pres. of Monterey, Calif., until 30 June 1941.

1st Lt. Sidney Auerback, 1 July, to Camp Jackson, S. C., until 30 June 1941.

1st Lt. Samuel T. Mangimelli, 1 July, to Ft. Sam Houston, Tex., until 30 June 1941.

1st Lt. Charles W. Hoffman, Jr., 1 July, to Army Med. Center, Wash., D. C., until 30 June 1941.

Capt. Harry G. Becker, 8 July, to Ft. Sheridan, Ill., until 7 July 1941.

**Extended Active Duty With DC**

1st Lt. Sidney H. Blumberg, from Ft. Slocum, N. Y., 15 July, to New York, N. Y.

**Extended Active Duty With VC**

1st Lt. Edwin J. Sunderville, app. 1st Lt., VC, Reg. Army, 25 June; Ft. Oglethorpe, Ga.

1st Lt. Harry W. Johnson, 1 Aug., to Ft. Bliss, until 31 July 1941.

**Extended Active Duty With San-Res.**

Capt. Paul W. Ransom, 8 July, to Wash., D. C., until 7 July 1941.

**Extended Active Duty With CE**

Maj. Robert A. Radford, 1 July, to Wash., D. C., until 31 Dec. 1940.

**Extended Active Duty With OD**

Capt. Isaac W. Turner, from Portsmouth, Va., 1 July, to Chicago, Ill., until 30 June 1941.

2nd Lt. George O. Haskell, Jr., from Dela. Ord. Dep., N. J., 1 July, to Camp Jackson, S. C., until 30 June 1941.

2nd Lt. Madison Post, prior orders revoked.

2nd Lt. Benjamin S. Goodwin, and 2nd Lt. John A. Swint, prior orders revoked.

2nd Lt. Lyman W. Tondro, 1 July, to Aberdeen Proving Ground, Md., until 30 June 1941.

Capt. John B. Medaris, from Cincinnati Ord. Dist., Ohio, 5 July, to Wash., D. C.

1st Lt. Harold H. Morse, from Ft. Sam Houston, 1 July, to San Antonio Arsenal, Tex.

1st Lt. Arlan A. Schonberg, from Chicago, Ill., 1 July, to Aberdeen Proving Ground, Md.

Capt. Bertram H. Hirsch, 1 July, to Wash., D. C., until 30 June 1941.

Capt. Donald D. Alexander, from Raritan Arsenal, N. J., 1 July, to Aberdeen Proving Ground, Md.

Capt. Walter W. Gerken, 30 June, to Aberdeen Proving Ground, Md., until 29 June 1941.

1st Lt. Herbert Severn Gawronski, 30 June, to Watervliet Arsenal, N. Y., until 29 June 1941.

Capt. Lloyd R. Macdani, 5 July, to Ft. Monroe, Va., until 30 June 1941.

1st Lt. Warren B. Zika, 1 July, to Raritan Arsenal, N. J., until 30 June 1941.

**Following 2nd Lts., 1 July, to Savanna Ord. Dep., Ill., until 30 June 1941:** Frank D. Bond, Jr., and Gilbert E. Tramm.

Capt. Victor Wichum, from Raritan Arsenal, N. J., to home and inactive status, 31 July 1940.

Capt. Charles J. Gallagher, 1 July, to Aberdeen Proving Ground, Md., until 30 June 1941.

**Extended Active Duty With CWS**

2nd Lt. John Nicholas Dick, 30 June, to Wash., D. C., until 29 June 1941.

**Extended Active Duty With Ch.**

Ch. (1st Lt.) Joseph P. Coll, from Ft. McClellan, Ala., to home and inactive status, 30 June 1940.

Ch. (Capt.) John Francis O'Connor, from Ft. Knox, Ky., 1 July, to Ft. Adams, R. I., until 30 June 1941.

**Extended Active Duty With Inf.**

Capt. Ellis G. Piper, 1 July, to Wash., D. C., until 31 Dec. 1940.

**Extended Active Duty With AC**

2nd Lt. James R. Danley, from March Fld., Calif., to home and inactive status, 29 June 1940.

D. C., until 7 July 1941.

**Extended Active Duty With CE**

Maj. Robert A. Radford, 1 July, to Wash., D. C., until 31 Dec. 1940.

**Extended Active Duty With OD**

Capt. Isaac W. Turner, from Portsmouth, Va., 1 July, to Chicago, Ill., until 30 June 1941.

2nd Lt. George O. Haskell, Jr., from Dela. Ord. Dep., N. J., 1 July, to Camp Jackson, S. C., until 30 June 1941.

2nd Lt. Madison Post, prior orders revoked.

2nd Lt. Benjamin S. Goodwin, and 2nd Lt. John A. Swint, prior orders revoked.

2nd Lt. Lyman W. Tondro, 1 July, to Aberdeen Proving Ground, Md., until 30 June 1941.

Capt. John B. Medaris, from Cincinnati Ord. Dist., Ohio, 5 July, to Wash., D. C.

1st Lt. Harold H. Morse, from Ft. Sam Houston, 1 July, to San Antonio Arsenal, Tex.

1st Lt. Arlan A. Schonberg, from Chicago, Ill., 1 July, to Aberdeen Proving Ground, Md.

Capt. Bertram H. Hirsch, 1 July, to Wash., D. C., until 30 June 1941.

Capt. Donald D. Alexander, from Raritan Arsenal, N. J., 1 July, to Aberdeen Proving Ground, Md.

Capt. Walter W. Gerken, 30 June, to Aberdeen Proving Ground, Md., until 29 June 1941.

1st Lt. Herbert Severn Gawronski, 30 June, to Watervliet Arsenal, N. Y., until 29 June 1941.

Capt. Lloyd R. Macdani, 5 July, to Ft. Monroe, Va., until 30 June 1941.

1st Lt. Warren B. Zika, 1 July, to Raritan Arsenal, N. J., until 30 June 1941.

**Following 2nd Lts., 1 July, to Savanna Ord. Dep., Ill., until 30 June 1941:** Frank D. Bond, Jr., and Gilbert E. Tramm.

Capt. Victor Wichum, from Raritan Arsenal, N. J., to home and inactive status, 31 July 1940.

Capt. Charles J. Gallagher, 1 July, to Aberdeen Proving Ground, Md., until 30 June 1941.

**Extended Active Duty With CWS**

2nd Lt. John Nicholas Dick, 30 June, to Wash., D. C., until 29 June 1941.

**Extended Active Duty With Ch.**

Ch. (1st Lt.) Joseph P. Coll, from Ft. McClellan, Ala., to home and inactive status, 30 June 1940.

Ch. (Capt.) John Francis O'Connor, from Ft. Knox, Ky., 1 July, to Ft. Adams, R. I., until 30 June 1941.

**Extended Active Duty With Inf.**

Capt. Ellis G. Piper, 1 July, to Wash., D. C., until 31 Dec. 1940.

**Extended Active Duty With AC**

2nd Lt. James R. Danley, from March Fld., Calif., to home and inactive status, 29 June 1940.

## APARTMENT DIRECTORY

## WASHINGTON, D. C.

Two Distinctive Addresses  
Washington, D. C.

**4801 CONNECTICUT AVENUE  
1940 BILTMORE ST.**

Catering to an exclusive clientele with  
Army and Navy residents  
**FOLDER ON REQUEST**

Under Same Management as Brighton Hotel  
**REAL ESTATE M'GEE & G'Y, CORP.**  
1610 K St. N.W., Wash., D.C., Nat. 1403

Excellent apartments...1 to 6 rooms...furnished or unfurnished...fireproof building...delightful sun decks

**THE Cavalier**  
3500 FOURTEENTH STREET, N. W.  
FRED H. POSTER, Mgr.

**Sedgwick Garden**  
Connecticut Avenue & Sedgwick Street  
Heart of excellent residential section. 15 minutes thru the Park to War and Navy Depts.  
Garage. Gardens. Floor plans on request.

## PENNSYLVANIA

Spacious housekeeping apartments of 2 to 4 rooms...in the convenient and distinctive Rittenhouse Square Section.

**The Chatham**  
2018 AND WALNUT STS.  
PHILA., PA.

2nd Lt. Robert T. Lamson, from Selfridge Fld., Mich., to home and inactive status, 30 June 1940.

**Following 2nd Lts., from Mitchell Fld., N. Y., 25 June, to home and inactive status:** William H. Moffat, and George A. Wood.

Maj. James H. Doolittle, 1 July, to Indianapolis, Ind., until 30 June 1941.

2nd Lt. Rowland W. Hopper, from Moffett Fld., Calif., to home and inactive status, 30 June 1940.

**Following 2nd Lts., from Kelly Fld., Tex., 29 June, to Langley Fld., Va.:** Frederick W. Baggett, Alfred J. Ball, Jr., Robert L. Goffey, Jr., Wade K. Forman, Marion H. Foster, Jr., Joseph K. Kirkup, Robert E. McKenna, Kirkwood Otey, III, Leonard Shapiro, Lockport P. K. Walmsley, and Roland M. Wilcox.

**Following 2nd Lts. from Kelly Fld., Texas, 29 June, to Hamilton Fld., Calif.:** Bernice S. Barr, Austin L. Berry, Earl D. Carlson, Kenneth D. Casper, Richard M. Craig, Jean H. Daugherty, Clay R. Davis, Glenn A. Doolittle, Frederick C. Eaton, Carl W. Faust, Arthur A. Fletcher, Jr., Leo J. Foster, Jr., Paul E. Greiner, Melvin R. Hanson, Maurice C. Horgan, James H. Hubbard, George R. Hundt, Albert W. James, Clyde B. Kelsay, Cecil C. Knudson, Robert D. McCarten, Harris K. McCauley, Harry L. Mitchell, Frank W. Potter, Harvard W. Powell, David G. Rawls, Fred M. Smith, Donald C. Surles, Robert E. Thacker, Ralph McK. Tidwell, Francis E. Tiller, Edward J. Tuma, Leo M. H. Walker, Duward J. Williams.

**Following 2nd Lts., from Kelly Fld., Texas, 29 June, to March Fld., Calif.:** Virgil C. Allen, Bruce G. Allen, Charles E. Blankenhop, Edward L. Burge, Owen F. Clarke, James E. Colovin, Paul E. Cool, Earl J. Cooper, James A. Elder, Robert W. Fish, Harold T. Hastings, Lorin LaV. Johnson, Harold J. Larson, Andrew E. McDavid, James S. Park, Earl Pense, Jr., Leland D. Perry, Paul C. Pittman, Robert Reichstadt, Robert H. Richards, Leonard D. Riordan, Boris M. Zubko.

**Following 2nd Lts., from Kelly Fld., Texas, 29 June, to Randolph Fld., Texas:** Robert J. Ahern, Jack H. Alston, Richard L. Ault, Klair E. Back, Robert P. Baldwin, Carl R. Barnes, Everett W. Best, Lowellyn T. Boatwright, Charles W. Boedeker, Beverly E. Carmack, Walter E. Clark, Daniel R. Conway, Ben D. DeJohn, John L. Egan, Claude F. Evans, Robert E. Flesher, Wesley P. Gadd, Morgan A. Gilfin, Donald W. Graham, Paul J. Greene, Charles P. Hewins, Fred E. Hild, Edward G. Hubbard, Roy A. Jaynes, Kenneth L. Johnson, Henry M. Katterjohn, Gerald F. Keeling, William R. Large, Jr., Dale Lasselle, John D. Lavelle, Henry J. Lawrence, Kenneth A. Linder, Ernest W. Lonne, Jr., Leon L. Lowry, Carl Lueteke, Jr., Jack McAuliff, Leon H. McCurdy, Bryce W. McIntyre, Donald G. McPherson, Jack F. Marr, Philip C. Meyer, Raymond W. Mino, James W. Morris, George C. Oyler, James T. Patterson, Robert A. Patton, William A. Pelton, Wilfred R. Pengelly, Wilson J. Seldon, Robert T. Smith, Thomas W. Sprinkle, Beverly E. Stendman, Charles E. Tolhurst, Louis D. VanMulleum, Wendell Mac Van Sickle, Harvey S. Walter, Jr., Clifford V. Warden, Allen M. Wright.

**Short Term Active Duty Training**

Maj. Earl L. House, AC-Res., 24 June, to Wash., D. C.

2nd Lt. Richard J. Doney, SC-Res., 7 July, to Wash., D. C.

Capt. George W. Custer, SC-Res., 8 July, to Langley Fld., Va.

**Following officers, QMC-Res., 7 July, to Balto., Md.:** Capt. Philip H. Porter, Jr., Capt. Harold H. Shaller, 2nd Lt. Carroll P. Hickman, 2nd Lt. George A. Kremkau, 2nd Lt. Robert W. Krenkau, and 2nd Lt. Elmer B. Van Horn.

2nd Lt. Allen R. Deschere, OD-Res., 22 June, to Aberdeen Proving Ground, Md.

Lt. Col. Albert Groves Hulet, MC-Res., 7 July, to Carlisle Bks., Pa.

1st Lt. Stephen Elliott Crick, OD-Res., 21 July, to Aberdeen Proving Ground, Md.

**Following officers, QMC-Res., 7 July, to Balto., Md.:** 1st Lt. Charles H. Brown, and 2nd Lt. James M. Clow.

1st Lt. Frank H. Highley, SC-Res., 1 July, to Langley Fld., Va.

2nd Lt. John T. Andrews, Jr., QMC-Res., 8 July, to Holabird QM Dep., Md.

2nd Lt. Wences A. Neumann, Jr., OD-Res., 15 July, to Pittsburgh Ord. Dist., Pa.

Maj. Albert M. Lehr, Jr., Spec-Res., 7 July, to Dunham Fld., Texas.

Maj. Hyman I. Robinson, AC-Res., 7 July, to Middletown Air Dep., Pa.

Capt. Warren G. Nichols, Spec-Res., 8 July, to Mitchell Fld., L. I., N. Y.

Capt. Robert L. Harris, SC-Res., 7 July, to Pres. of San Fran., Calif.

Capt. William E. Renner, OD-Res., 1 July, to Watervliet Arsenal, N. Y.

**Following officers, QMC-Res., 14 July, to Ft. Knox, Ky.:** Capt. Harry B. Humbert, Capt. John Kocinski, 1st Lt. Norman W. Schroeder, and 2nd Lt. Clifford D. Owens.

1st Lt. Myron S. Huckle, AC-Res., 7 July, to Middletown Air Dep., Pa.

1st Lt. Brett R. Hammond, OD-Res., 7 July, to Rock Island Arsenal, Ill.

**Following 2nd Lts., QMC-Res., 14 July, to Ft. Knox, Ky.:** Retting P. Benedict, Kenneth R. Bowers, Marion B. Davis, Keith O. Dickson, John E. Payton.

**Following 2nd Lts., QMC-Res., 17 July, to Ft. Knox, Ky.:** Kenneth A. Dunbar, Robert L. McCracken, and Albert F. Stoner.

**Following 2nd Lts., QMC-Res., 14 July, to Ft. Knox, Ky.:** William D. Becker, William T. Quarles, Clifton J. Slaton, John C. Sperron, and Ivan C. Uland.

Lt. Col. David A. Lenk, OD-Res., 22 July, to Watertown Arsenal, Mass.

Lt. Col. Homer Saint-Gaudens, CE-Res., 20 June, to Wash., D. C.

2nd Lt. William R. King, QMC-Res., 11 July, to Ft. Knox, Ky.

Maj. Lester L. Lessig, CE-Res., 8 July, to Phila. Engr. Procurement Dist., Pa.

2nd Lt. Muir W. Minch, QMC-Res., 1 July, to Ft. Knox, Ky.

1st Lt. Morris L. Schwartz, CE-Res., 1 July, to Wash., D. C.

2nd Lt. Charles R. Hand, QMC-Res., 11 July, to Ft. Knox, Ky.

2nd Lt. Milton S. Musser, QMC-Res., 7 July, to Balto., Md.

**PROMOTIONS OF RESERVES**

**Following officers, to rank indicated, 21 June:** 2nd Lt. Norman K. Browne, CA-Res., to 1st Lt.; 1st Lt. Paul J. Giegerich, Ch-Res., to Capt.

2nd Lt. George R. Carr, AC-Res., to 1st Lt., 1 July.

**Following officers, to rank indicated, 21 June:** 2nd Lt. Herbert C. Armstrong, CA-Res., to 1st Lt.; 1st Lt. Clarence J. Strand, MC-Res., to Capt.

**Following 2nd Lts., AC-Res., to 1st Lt., 1 July:** Ronald F. Fallows, and Barton M. Russell.

2nd Lt. Theodore A. Sulter, AC-Res., to 1st Lt., 1 July.

**Following 2nd Lts., to 1st Lts., 26 June:** Walter F. Bosky, CA-Res., Edward A. King, CA-Res., Earl W. Limberg, CA-Res., and Howell E. Roberts, SC-Res.

2nd Lt. Aaron H. Hoffeditz, AC-Res., to 1st Lt., 26 June.

## Navy Orders

(Continued from Page 1065)

6 July; to USS Winslow.

Ens. Mitchell E. Buszek, org. 17 June modified; to USS McCormick instead USS Evans.

Ens. Joseph W. Castello, det. USS St. Louis abt. 1 July; to USS McManahan.

Ens. John F. Cheney, det. USS 8-29 abt. 8 July; to c/o USS Triton and on bd. when comm.

Ens. John P. Currie, det. USS Benham; to temp. duty 11th Nav. Dist.

Ens. Andrew R. Drea, det. USS Brooklyn abt. 15 July; to USS Clark.

Ens. Montrose G. McCormick, det. USS California abt. 15 July; to c/o USS Lansdale and on bd. when comm.

Ens. John C. Patty, Jr., uncompleted portion org. 3 May to Asiatic Flt. revoked; to USS Houston.

Ens. Marshall E. Turnbaugh, det. USS Idaho abt. 20 July; to c/o USS Charles F. Hughes and on bd. when comm.

Ens. Alfred B. Wallace, det. USS Tennessee abt. 27 July; to c/o USS Charles F. Hughes and on bd. when comm.

22 June 1940

Comdr. Joseph J. Clark, upon disch. tit. Nav. Hosp., San Diego, Cal. to Insp. of Aer. Aircraft, Curtiss Wright Corp., Curtiss Aeroplane Div., Buffalo, N. Y.

Lt. Comdr. Steven W. Callaway, det. CO, Patrol Sqd. 52 abt. 15 July; to conn. estab. Nav. Air Sta., Cape May, N. J. & duty as CO of that sta. when established.

Lt. Comdr. Charles C. McDonald, to CO, Patrol Sqd. 52, in July.

Lt. John Corbus, det. USS Sturtevant abt. 26 July; to c/o USS R-3 & in command when comm.

Lt. Theodore H. Kobey, det. Nav. Trac. Sta., San Diego, Cal. abt. 1 June; to USS 8th Lake City.

Lt. Almon E. Loomis, det. Patrol Sqd. 42 abt. 10 June; to Nav. Air Sta., Pensacola, Fla.

Lt. Thomas B. Payne, det. Patrol Sqd. 22 in July; to USS Houston.

Lt. Albert C. Perkins, det. USS Trenton in July; to USS Ranger.

Lt. Kenton E. Price, to exec. off., USS Sampson.

Lt. (jg) Curtis H. Hutchings, det. Patrol Sqd. 42 abt. 20 June; to Nav. Air Sta., Pensacola, Fla.

Lt. (jg) George W. Kehl, det. USS Dallas in June; to c/o USS Bass & on bd. when comm.

Lt. (jg) Louis W. Mang, det. Avia. Unit, USS Charleston abt. 15 July; to Patrol Sqd. 56.

Lt. (jg) Samuel P. Moncre, det. USS Ellis in June; to Navy Yd., Wash., D. C.

Lt. (jg) Paul S. Savidge, Jr., det. USS Jarvis in July; to USS Colorado.

(Continued on Next Page)

## HOTEL DIRECTORY

## FLORIDA

**Florida JACKSONVILLE'S LARGEST FINEST**

**The ROOSEVELT**  
A ROOM & MORE \$250

## NEW YORK

**HOTEL 70 PARK AVE.**

Quiet, Continental atmosphere...near all better shops and theatres. Reasonable rates—25% discount to service officers and their families.

**S. FRIED, Manager**  
Formerly Manager of The ARMY and NAVY CLUB, Washington, D. C., 70 Park Avenue New York

## PENNSYLVANIA

**PHILADELPHIA**

**In Philadelphia It's the BELLEVUE-STRATFORD**

Moderately Priced Centrally Situated  
Claude H. Bennett, Manager

## WASHINGTON, D. C.

**BRIGHTON HOTEL**  
2123 California St., Washington, D. C.

Modern Fireproof Apartment Hotel. Newly Furnished. Excellent Dining Room.

**R. H. FATT, Mgr.**

**HOTEL ROOSEVELT**

A residential and trans. hotel of refinement. Attractive furn. & unfurn. housekeeping apts.

# Navy Orders

(Continued from Preceding Page)

Lt. (jg) William H. Sublette, det. USS Porter abt. 6 July; to USS Gillis.  
 Lt. (jg) Vincent A. Sweeney, det. USS Dickerson in July; to USS Barney.  
 Ens. Gerald G. Hinman, det. USS Babbitt in May; to Atlantic Squadron.  
 Ens. Edward C. Blount, jr., ors. 20 May; to USS Dewey revoked; continue USS Louisville.  
 Ens. Keene G. Hammond, det. USS Saratoga in July; to Aircraft, Battle Force.  
 Ens. Arthur G. Harrison, det. USS Oklahoma abt. 1 June; to USS Long.  
 Ens. Raymond Shille, det. USS Drayton abt. 6 July; to cfo USS Charles F. Hughes & on bd. when comm.  
 Lt. Comdr. David W. Lyon, jr. (MC), det. Nav. Sta., Guam; to Nav. Hosp., Great Lakes, Ill.  
 Lt. Comdr. Earle E. Sullivan (MC), addl. duty at Marine Bldg. sub-stn., Balto., Md.  
 Lt. Harold J. Cokely (MC), det. Dest. Div. II in July; to Nav. Hosp., Wash., D. C.  
 Lt. (jg) Clement D. Burroughs (MC), det. Nav. Trng. Sta., Gl. Lakes, Ill. abt. 15 June; to USS Goff.  
 Lt. Charles F. Lynch (DC), det. USS Savannah abt. 15 July; to Navy Yd., Wash., D. C.  
 Lt. Lyman R. Vaughan (DC), det. USS Argonne in July; to Nav. Dispensary, Navy Dept.  
 Lt. (jg) Edward J. Holubek (DC), det. 1st Det. Batt., FMF, Mar. Corps Base, San Diego, Cal. abt. 5 July; to USS Savannah.  
 Comdr. Robert S. Chew (SC), det. Nav. Oper., Navy Dept. in Aug.; to 10th Nav. Dist.  
 Comdr. David P. Polatty (SC), det. 15th Nav. Dist. in July; to Navy Yd., Ports., Va.  
 Lt. Comdr. Stephen E. Smith (SC), det. Nav. Air Sta., Seattle, Wash. in July; to USS Holland.  
 Lt. Noble W. Lowrie (SC), ors. 14 June to Bu. S. & A., Navy Dept. revoked; continue Nav. Oper., Navy Dept.  
 Lt. (jg) Raymond L. Abrahamson (SC), det. Dest. Div. 68 1 July; to Nav. Torp. Sta., Newport, R. I.  
 Lt. (jg) Frederick O. Vaughan (SC), det. Dest. Div. 66, Atlantic Sqdn. in July; to Sub-sistence Research Lab., QM Depot, Chicago, Ill.  
 Lt. Comdr. Robert L. McLellan (CEC), det. Nav. Aircraft Pct., Phila., Pa. in July; to 8th Nav. Dist.  
 Comdr. Emil H. Groth (ChC), det. USS Colorado in July; to Mar. Corps Base, San Diego, Cal.  
 Lt. (jg) Raymond C. Hohenstein (ChC), ors. 7 Mar. modified. To USS Boise instead USS Melville.

24 June 1940

R. Adm. Frank J. Fletcher, det. Comdr., Cruiser Div. 3 abt. 15 June; to Comdr., Cruiser Div. 8.  
 Capt. James T. Alexander, uncompleted portion ors. 11 Jan. revoked; to Nav. Oper., Navy Dept.  
 Capt. Edward W. Hanson, det. Cdt., Nav. Sta., Tutuila, Samoa abt. 31 July; to CO, USS Indianapolis.  
 Capt. Laurence N. McNair, to Capt. of Yd., Navy Yd., New York, N. Y.  
 Capt. Charles C. Ross, det. Mgr., Navy Yd., Charleston, S. C.; continue trt. Nav. Hosp., Charleston, S. C.  
 Capt. John F. Shafroth, jr., det. CO, USS Indianapolis abt. 10 Aug.; to Bu. Nav., Navy Dept.  
 Capt. Lemuel M. Stevens, det. Capt. of Yd., Navy Yd., New York, N. Y. 15 July; continue trt. Nav. Hosp., Bklyn., N. Y. & granted sick leave 2 months.  
 Comdr. Julian D. Wilson, det. New York Shipbldg. Corp., Camden, N. J., continue trt. Nav. Hosp., Phila., Pa. Ors. 10 May to USS Raleigh revoked.  
 Lt. Comdr. Bernard L. Austin, det. Nav. Oper., Navy Dept. abt. 1 Aug. to aide & flagsecy., staff, Comdr., Cruiser Div. 8.  
 Lt. Comdr. Carl H. Bushnell, det. Nav. Torp. Sta., Newport, R. I. in May; to CO, USS Dunlap.  
 Lt. Comdr. De Vere L. Day, det. Setg. Sqd. II (USS Ranger) abt. 17 June; to Nav. Air Sta., Pensacola, Fla.  
 Lt. Comdr. Wallace E. Guitart, upon disch. trt. Nav. Hosp., San Diego, Cal. to Asst. Dist. Comm. Officer, 14th Nav. Dist.  
 Lt. Comdr. Howard B. Hutchinson, det. staff, Comdr., Setg. Force in July; to Patrol Wing One.  
 Lt. Cathbert J. Bruen, det. USS Phoenix abt. 31 May; to temp duty Rec. Ship, San Fran., Cal.  
 Lt. John J. Crane, det. Bu. Engr., Navy Dept. in Aug.; to cfo USS Tuna & in command when comm.  
 Lt. George A. Leahy, jr., det. CO, USS Bernadou abt. 20 July; to CO, USS Potomac.  
 Lt. Louis T. Malone, det. USS Fox in July; to Instn., office of J. A. G., Navy Dept.  
 Lt. John C. Parham, jr., det. Nav. Trng.

Sta., Norfolk, Va. abt. 25 May; to USS Sampson.  
 Lt. Frank B. Miller, det. Setg. Sqd. 6 (USS Enterprise) abt. 1 June; to Nav. Air Sta., Pensacola, Fla.  
 Lt. Howard R. Prince, det. USS Breese abt. 15 July; to Nav. Academy.  
 Lt. Ralph H. Smith, granted sick leave 2 mos. Upon expiration, await ors. Brooklyn, N. Y.  
 Lt. Harold L. Tallman, uncompleted portion ors. 22 Apr. revoked; to NROTC Unit, Univ. of Cal. Berkeley, Cal.  
 Lt. (jg) Wallace C. Short, jr., det. Nav. Air Sta., Coco Solo, C. Z., in July; to Nav. Air Sta., Pensacola, Fla.  
 Lt. (jg) George R. Wilson, det. USS Fox abt. 15 July; to Nav. Academy.  
 Following Lds. (jg), Medical Corps, assigned to Naval Hospitals at stations indicated:  
 William C. Andrews, San Diego, Cal.  
 Clinton H. Bagenstose, Phila., Pa.  
 James A. Brantley, San Diego, Cal.  
 Weston C. Cook, Phila., Pa.  
 Robert R. Deen, Phila., Pa.  
 Ashton Emerson, Phila., Pa.  
 William M. Enright, San Diego, Cal.  
 Harry S. Etter, Ports., Va.  
 Roland G. Franklin, San Diego, Cal.  
 Winthrop S. Frantz, Mare Is., Cal.  
 Dana D. Goldthwaite, Phila., Pa.  
 Thomas Harris, Phila., Pa.  
 Edward J. Jaruzewski, Mare Is., Cal.  
 Millard F. Jones, Ports., Va.  
 James S. Kitterman, Ports., Va.  
 Edward W. Lowman, San Diego, Cal.  
 John M. Murphy, Ports., Va.  
 George R. Myers, jr., Phila., Pa.  
 Merlin L. Newkirk, San Diego, Cal.  
 Russell S. Page, jr., Phila., Pa.  
 David Singer, Mare Is., Cal.  
 Ross C. Speir, jr., San Diego, Cal.  
 John S. Thiemeyer, jr., Ports., Va.  
 Robert W. Wheeler, Ports., Va.  
 Following Ens., USNR, from station indicated to cfo Patrol Sqd. 55 and duty that sqd.:  
 Roy L. Brister, det. Patrol Sqd. 52.  
 Frank B. Gorman, det. Patrol Sqd. 53.  
 John J. Hennessy, det. Patrol Sqd. 54.  
 Harold W. Hickman, det. Patrol Sqd. 52.  
 Winslow L. Pettigall, det. Patrol Sqd. 53.

25 June 1940

Capt. Archibald H. Douglas, det. CO, USS Enterprise in May; to CO, USS Saratoga.  
 Comdr. Harold J. Brow, det. conn. Nav. Air Sta., Alameda, Cal. in July; to conn. det. Nav. Air Sta., Quonset Pt., R. I. & duty as CO Setg. Sqd. 2D-1 when comm.  
 Comdr. Henry T. Stanley, det. CO, Utility Sqd. One abt. 1 June; to Nav. Air Sta., San Diego, Cal.  
 Lt. Comdr. Murr E. Arnold, det. CO, NRAB, Detroit (Grosse Ile), Mich.; to CO, Bomb. Sqd. 5.  
 Lt. Comdr. Joseph B. Renn, det. USS Nevada in June or July; to Off. in Chge., Experimental Diving Unit, Navy Yd., Wash., D. C.  
 Lt. Comdr. Curtis S. Smiley, det. CO, NRAB, Minneapolis, Minn.; to CO, Setg. Sqd. 5.  
 Lt. Richard H. Best, det. Nav. Air Sta., Pensacola, Fla. in May; to Bomb. Sqd. 4 (USS Enterprise).  
 Lt. Creed C. Burlingame, det. Subm. Base, New London, Conn. in July or Aug.; to CO, USS S-30.  
 Lt. Wilmer E. Gallaher, det. Nav. Air Sta., Pensacola, Fla. in May; to Setg. Sqd. 6 (USS Enterprise).  
 Lt. (jg) Richard R. Bouteille, det. USS McCalla abt. 13 July; to cfo USS Stockton & on bd. when comm.  
 Lt. (jg) James G. Craig, jr., det. Patrol Sqd. 33 in June; to Nav. Air Sta., Pensacola, Fla. Ors. 8 May revoked.  
 Lt. (jg) Richard V. Gregory, det. USS Blakeley abt. 27 July; to Asiatic Flt.  
 Lt. (jg) Paul L. Joachim, det. USS Claxton abt. 13 July; to USS Wyoming.  
 Lt. (jg) Edwin K. Jones, det. USS Edwards abt. 13 July; to cfo USS Conway & on bd. when comm.  
 Lt. (jg) Porter W. Maxwell, det. USS Kane abt. 1 Aug.; to Instn. Nav. Air Sta., Pensacola, Fla.  
 Lt. (jg) George A. O'Connell, jr., det. USS Decatur abt. 13 July; to cfo USS Connor & on bd. when comm.  
 Lt. (jg) Henry C. Spicer, jr., det. USS Hannibal in July or Aug.; to USS Bowditch.  
 Lt. (jg) Paul L. Stahl, det. Patrol Sqd. 44 abt. 29 June; to Nav. Air Sta., Pensacola, Fla.  
 Lt. (jg) Reuben E. Stanley, det. Patrol Sqd. 23 in June; to Nav. Air Sta., Pensacola, Fla.

## A BOOK ON REVOLVER SHOOTING

By ED McGIVERN

1. Indispensable to the beginner or expert in improving his marksmanship.
2. Should be in every man's library interested in the use of firearms.

484 pages, 417 illustrations, bound in Fabrikoid  
 Price \$2.50 postpaid

THE KING-RICHARDSON COMPANY, Springfield, Mass.

Ors. 28 May revoked.  
 Ens. Guy J. Anderson, det. Nav. Air Sta., Pensacola, Fla. abt. 31 May; to Setg. Sqd. 42. Ors. 20 May revoked.  
 Ens. Gideon M. Boyd, det. USS New Mexico abt. 20 July; to USS McCall.  
 Ens. Wilson H. Cranford, det. USS Nevada abt. 20 July; to Instn. Nav. Air Sta., Pensacola, Fla.  
 Ens. Noble C. Harris, jr., det. USS Tennessee abt. 20 July; to cfo USS Mayo & on bd. when comm.  
 Ens. Patrick H. Hart, det. Nav. Air Sta., Pensacola, Fla. abt. 31 May; to Torp. Sqd. 3 (USS Saratoga). Ors. 21 May revoked.  
 Ens. Robert J. Trauger, det. USS Nevada abt. 15 July; to USS Tucker.  
 Capt. John Harper (MC), det. Nav. Med. Sch., Wash., D. C. in Sept.; to Nav. Hosp., Wash., D. C.  
 Capt. Reynolds Hayden (MC), det. Nav. Academy abt. 15 July; to Nav. Hosp., Pearl Harbor, T. H.  
 Capt. Willard J. Riddick (MC), det. Nav. Hosp., Wash., D. C. in Sept.; to Med. Off. in Command, Nav. Hosp., Charleston, S. C.  
 Comdr. Kenneth E. Lowman (MC), det. Nav. Hosp., Gl. Lakes, Ill. abt. 15 June; to Instn. Nav. War Col., Newport, R. I.  
 Comdr. Walter J. Pennell (MC), det. Nav. Hosp., Phila., Pa. in Sept.; to Nav. Med. Sch., Wash., D. C.  
 Lt. Comdr. Harold O. Cozby (MC), det. USS Phoenix; to Nav. Hosp., San Diego, Cal.  
 Lt. Comdr. John L. Enyart (MC), det. USS Antares 4 June; to USS Phoenix.  
 Lt. Comdr. LeRoy F. Farrell (MC), det. USS Trenton in July; to Nav. Hosp., Wash., D. C.  
 Lt. Comdr. Henry W. Patton (MC), det. USS Boise abt. 8 June; to Nav. Hosp., Pensacola, Fla.  
 Lt. Comdr. Fred M. Rohow (MC), det. USS Sirius in July or Aug.; to USS Whitney.  
 Lt. Andrew Galloway (MC), det. Nav. Hosp., San Diego, Cal.; to USS Antares.  
 Lt. Lyle A. Newton (MC), det. USS J. Fred Talbot in July; to Nav. Hosp., Gl. Lakes, Ill.  
 Lt. (jg) Eugene N. Davis (MC), to Nav. Hosp., Mare Is., Cal.  
 Lt. (jg) Lewis L. Cross (DC), det. Nav. Dental Sch., Wash., D. C. abt. 28 June; to Navy Yd., Mare Is., Cal.  
 Lt. (jg) Stanley W. Smith (DC), det. Nav. Trng. Sta., Gl. Lakes, Ill. abt. 15 July; to Asiatic Flt.  
 Capt. William H. Wiltedink (SC), det. 12th Nav. Dist. 31 July; to Off. in Chge., Navy Purchasing & Disb. Office, Shanghai, China.

Comdr. Frank C. Dunham (SC), det. Bu. S. & A., Navy Dept. 6 July; to duty conn. Nav. Air Sta., Miami, Fla. Ors. 1 May revoked.  
 Comdr. Thomas E. Hipp (SC), det. Nav. War Col., Newport, R. I. on 1 July; to duty conn. Nav. Air Sta., Jacksonville, Fla.  
 Comdr. Vernon H. Wheeler (SC), ors. 10 Apr. fur. modified. To staff, Army Industrial Col., Wash., D. C., instead Navy Yd., Wash., D. C.  
 Lt. Comdr. James E. Brennan (SC), det. Nav. Torp. Sta., Keyport, Wash. 1 July; to Asiatic Flt.  
 Lt. Comdr. Ernest M. Cronin (SC), det. USS Antares. Upon disch. trt. Nav. Hosp., Pearl Harbor, T. H. to fur. trt. nav. hosp. in U. S.  
 Lt. Comdr. Charles J. Lanier (SC), det. USS Cimarron; continue trmt. Nav. Hosp., San Diego, Cal.  
 Lt. (jg) Graham P. Bright (SC), det. disb. & commissary off., Nav. Air Sta., Anacosta, D. C. 1 Aug.; to asst. to supply off., Nav. Air Sta., Anacosta, D. C.  
 Ens. Frank E. Floyd, jr. (SC), det. Dest. Div. 55 1 June; to Neutrality Patrol Disb. Off., Charleston, S. C.  
 Ch. Bosn. Alvin E. Bernson, det. USS Wando; to Navy Yd., Puget Sound, Wash.  
 Ch. Bosn. John W. Freeborn, det. Navy Yd., Puget Snd., Wash.; to USS Tatnuck.  
 Bosn. Herbert F. Hugo, det. USS Tatnuck; to USS Wando.

26 June 1940

Capt. Henry C. Gearing, jr., det. Comdr., Dest. Sqd. 4 abt. 14 June; to 11th Nav. Dist.  
 Capt. Guy C. Hitchcock, det. Navy Yd., Boston, Mass.; to Nav. Torp. Sta., Newport, R. I.  
 Capt. Wallace R. Phillips, det. staff, Comdr. Base Force; to Nav. Oper., Navy Dept.  
 Comdr. Arthur C. Miles, ors. 8 May to Bu. Aero., Navy Yd. revoked; continue Nav. Air Sta., San Diego, Cal.  
 Lt. Comdr. John L. Brown, det. USS Cincinnati abt. 13 July; to NROTC Unit, Univ. of Okla., Norman, Okla.  
 Lt. Comdr. Joseph U. Lademan, jr., det. staff, Comdg. Genl., FMF, Marine Corps Base, San Diego, Cal. in May; to USS Colorado.  
 Lt. Richard H. Blair, det. 15th Nav. Dist. abt. 1 July; to USS McCall.  
 Lt. Paul L. Dudley, det. CO, USS Sandpiper in June; to Nav. Air Sta., Pensacola, Fla. Ors. 10 May revoked.  
 Lt. John F. Greenslade, det. CO, USS Swan (Please turn to Page 1063)

## A WORLD-WIDE COMMUNICATIONS SYSTEM

Associated in The International System, All America Cables and Radio, Inc., Commercial Cables, and Mackay Radio serve the United States with a world-wide cable and radio system.

## ALL AMERICA CABLES AND RADIO

To Central and South America and the West Indies

## COMMERCIAL CABLES

To Europe and the Far East

## MACKAY RADIO

To foreign countries and to ships at sea. Also a national network between 16 principal cities in the United States.

To send a cablegram or radiogram, file your messages at any Postal Telegraph office.

## Coast Guard Expansion

BY REAR ADM. RUSSELL R. WAESCHE  
Commandant, U. S. Coast Guard

IN line with the national defense program of the nation, the President has asked Congress to appropriate approximately \$10,700,000 for the needs of the Coast Guard in this program. The sum is to be expended in the fiscal year 1941. Although relatively small in amount compared to the needs of the Army and Navy, the funds are considered sufficient, at present, to bring Coast Guard equipment and personnel up to the standards and strength required for the proper performance of duties not associated with the Service during peace time.

It is estimated that \$8,200,000 of the total amount requested of Congress will cover the cost of emergency conversion of Coast Guard vessels for Naval use, and of the installation of effective aircraft ordnance. All work will be done in accordance with specifications furnished by the Navy. The funds will be apportioned as follows: \$3,100,000 to cruising cutters; \$2,400,000 to coastal patrol boats; \$1,000,000 to local patrol boats; \$100,000 to tenders; \$1,300,000 for ordnance and equipment; and \$330,000 for buoys. Conversion work involves the revision of armament and ammunition stowage arrangements; installation of guns; enlargement of magazines; fitting of depth charge racks and Y guns; installation of underwater sound detection apparatus; and structural changes incident to these installations. Provision also is made for high intensity and signal searchlights and anti-aircraft range finders which are essential for use in connection with the type of aircraft guns to be installed.

Included in the total amount requested is an estimated \$2,500,000 which is to be used for pay, allowances, subsistence and equipment of 2,500 additional men during the fiscal year 1941. The men would be the first increment of a program to enlist 5,000 additional men in the Coast Guard over a period of two years.

The 5,000 men will enable the Coast Guard to immediately assume duties involving national defense when called upon, and will bring total personnel of the Service to approximately 20,000 men.

The first group to be recruited represents the maximum number of men that can be trained during the 1941 fiscal year with the facilities available in the Coast Guard. It is planned to recruit them at the rate of 400 a month over a period of seven months.

The men will receive training in essential duties and will be assigned as follows: 1,691 to cutters and patrol boats; 250 to tenders for training as signalmen, radiomen and gunners' mates and quartermaster duty; 500 to lifeboat stations; 85 for operation of listening devices; and 15 for training in pyrotechnics.

While the Coast Guard always has considered its primary duty that of promoting safety of life and property at sea, its peace time experience, in emergencies especially, has prepared it for national defense tasks.

Completion of this program will bring the Service to its highest point of efficiency. With its water borne and air fleets adapted for special requirements in a well-rounded national organization, its excellent and highly efficient coastal communication facilities, its cordon of lifeboats and light stations at all strategic points, all manned by trained personnel, the Coast Guard becomes an important and essential adjunct of the Navy.

### Summer School at Hamilton Fld.

The school for enlisted men conducted by various public school authorities of the State of California at Hamilton Field opened its summer session on Monday 17 June. The enrollment approached two hundred. An opening meeting was held in the Assembly Room which was addressed by Col. J. F. Curry, AC, Commanding Officer, President A. C. Olney, of Marin Junior College, and Maj. W. C. White, Morale Officer.

Classes include Military Correspondence, Navigation, English, History, Civics, and all ordinary courses in Mathematics from Arithmetic to Calculus.

## U. S. COAST GUARD

THE Coast Guard was included in the Naval Expediting Bill signed by the President this week, and the features of the measure relating to speed-up of defense construction and preparation will be equally applicable to the service. The provision for a longer work-week, additional overtime, advance payments to contractors and suspension of laws conflicting with the speed-up will be reflected in all Coast Guard preparations.

A bid was awarded this week to the Dubuque Boat and Boiler Works, Dubuque, Iowa, for the construction of two 113 foot cutters. These vessels will be of 230 tons, 26 foot beam and will draw 4 feet of water. They will be powered with 400 horsepower diesel engines and have a speed of 10 knots. The vessels are designed for use on the Mississippi River. Contract time calls for completion in about 300 days, but in light of the expediting program, they will probably be available before that period elapses.

### Campbell Strikes Whale

The Coast Guard cutter Campbell, commanded by Comdr. Joseph Green-spun, USCG, while enroute to Greenland on 9 June carrying state department officials and government mail, bent her propellers when she struck a whale and will have to be drydocked for repairs. The Campbell continued on to Greenland, but is now enroute home. It was stated at Coast Guard Headquarters that the vessel is forced to proceed slowly because of ice fields and the fact that high speeds cause the twisted blades to set up a vibration.

### Commandant Approves Report

Rear Admiral Russell R. Waesche, Commandant of the Coast Guard, has approved the findings of the personnel board which selected officers for separation from the service and is now notifying officers affected.

### Civilian Personnel

Under the expediting program, civilian

professional personnel will be paid time-and-a-half for work performed in excess of 8 hours a day or 40 hours a week. There appears to be considerable feeling among clerks at Headquarters who work alongside professional personnel affected that they too should be included in the time-and-a-half legislation. However when this proposal was sponsored before the House Naval Affairs Committee by Capt. C. W. Fisher, Director of Shore Establishments of the Navy Department, it was rejected on the grounds that clerical employees have in the past enjoyed comparatively light duties and should not object, at this time, to such overtime work as may be necessary.

### Elizabeth City Air Station

The Elizabeth City Air Station, the Coast Guard's newest air base, will be dedicated on 7 Aug. 1940, before a gathering of distinguished guests. Assistant Secretary of the Treasury Herbert E. Gaston, in charge of Coast Guard operations under the Secretary of the Treasury, will speak, as will Representative Lindsay Warren, of N. C., and Mayor Jerome Flora, of Elizabeth City. Capt. Thaddeus Crapster, USCG, commandant of the Norfolk District, will preside.

### Coast Guard Sesquicentennial

The sesquicentennial celebration of the founding of the Coast Guard will be celebrated on 4 Aug. 1940, at Coast Guard facilities all over the country. Plans are now being made for the individual features of these celebrations.

### Weather Patrol

Headquarters announced this week that Coast Guard cutters of the 250 foot class attached to the New York, Norfolk and Boston Districts will also be held available as relief for the four 327 foot cutters now operating the weather patrol between the Azores and Portugal. Greater flexibility was given as the reason behind the move.

### Leave for Natl. Gd. and Reserves

A nation-wide movement to have employers aid the National Defense program by granting to employees thirty days' vacation with full pay and without impairment of their employee status, so such employees may receive active duty military training with the armed forces of the United States, or with the National Guard of the several states, is meeting with gratifying success. Acting Secretary of War Louis Johnson stated this week.

General Mills, Incorporated, has not only adopted the plan, but has gone further by granting up to sixty days with pay for military training, such leave of absence in no way impairing the regular vacation periods with pay.

Mr. Johnson has been informed that the San Francisco Stock Exchange has voted in favor of the plan for its 3,500 members; the Los Angeles (California) City Council has approved the plan for municipal employees; the Chamber of Commerce of San Francisco has asked employers in that city to support American defense plans by continuing salaries and guaranteeing reemployment to workers who this summer attend Federal or State military training camps.

Roos Brothers, Inc., San Francisco, has adopted the plan.

The National Retail Dry Goods Association, of which Colonel Roos is vice president for the West, has urged its approximately 5,650 stores to adopt the plan.

The National Association of Retail Clothiers and Furnishers has urged its several thousand members to support and adopt the plan.

The Baltimore Stock Exchange and the Cleveland Stock Exchange have adopted the plan.

Sympathetic reception of the idea has been received, Mr. Johnson said, from Lancaster, Pa.; Lincoln, Neb.; Tyler, Tex.; New York, N. Y.; and Boston, Mass.

The movement was initiated by Col. Robert A. Roos, San Francisco business leader and an officer in the Infantry arm of the Officers' Reserve Corps. Business, industrial, financial and civic organizations are accepting the plan.

## First Corps Area

Parading for the first time with its full motorized equipment, the 1st Battalion, 68th Coast Artillery, passed before Col. W. W. Gordon, Inspector General of the First Corps Area, in a manner that drew a comment of "fine" from the inspecting officer.

The parade was held at Ft. Williams, Me., where the first battalion except for Battery "E" is quartered. Maj. Donald B. Greenwood commands the battalion.

Colonel Gordon, with Lt. Col. R. S. Atwood of the Inspector General's Department, also of Boston, came to Portland Harbor for a full inspection of the forces here. After the two officers, accompanied by Col. Robert C. Garrett, commanding the 68th Coast Artillery and the Post of Portland Harbor, inspected the first battalion batteries as they stood in formation at their barracks, the mechanized parade was held, with combat cars, motorcycles, searchlight trucks, anti-aircraft trucks and guns and radio cars forming the long line that passed before the inspectors.

The new 68th Coast Artillery Band, which arrived here recently, made its first appearance at 10:00 a.m. on Wednesday in a regimental parade at Ft. Williams before the district commander of this area.

The parade, second since the organization of the anti-aircraft unit, included a complete foot review and a complete motorized review. The 1st and 2nd Battalions of the 68th Coast Artillery, Battery "A" of the 8th Coast Artillery from Ft. Preble, and two provisional batteries of the Panama Detachment of the 8th Coast Artillery from Ft. McKinley participated.

### Army Base, Boston, Mass.

Maj. Gen. James A. Woodruff joined members of the House Military Affairs Committee at Portland, Me., on 27 June, to accompany them on their inspection of the Harbor Defenses of New England.

Lt. Col. John C. Mullenix has taken up his duties at this headquarters as the Assistant Chief of Staff, G-3.

### Ft. Ethan Allen, Vt.

The 7th Field Artillery has been engaged in preparing for summer training with civilian components. The work of organizing the camps is progressing. Arriving last weekend, about 100 Field Artillery ROTC students from Harvard and Yale took their place in the concurrent camp area. On Sunday about 30 Reserve officers, Field Artillery ROTC graduates, arrived for training. In addition, the regiment is engaged in intensive recruiting throughout New England.

The end of the week will bring to a close the training period of the officers of the 316th Cavalry and Cavalry ROTC graduates. This week has been spent in tactical exercises.

The ROTC students (Cavalry) from Norwich and Massachusetts State arrived Friday after a march from their respective stations. They will encamp at the concurrent camp area and remain there until 12 July. Their training in the main will be small arms firing.

### Ft. H. G. Wright, N. Y.

Battery B, 11th Coast Artillery, with attached personnel, designated as Provisional Headquarters Company, Public Relations Division, First Army, under the command of Capt. James T. Barber, 11th Coast Artillery, will proceed today from Ft. H. G. Wright, to Ogdensburg, N. Y., for duty in connection with First Army Maneuvers.

### West Point Activities

The Post Tennis Tournament which has been in progress for several weeks was completed this week with the exception of the men's doubles which will be played in the near future. Col. Clayton E. Wheat and Maj. Frederick Irving to play Capt. Harold Brooks and Frederick G. Terry. The results of the finals in the other phases of the tournament were: men's singles Capt. Harold Brooks defeated Lt. Theodore Conway; ladies' singles, Mrs. David W. Gray defeated Mrs. Elvin Heiberg; mixed doubles Mrs. David Gray and Mr. Thomas Maloney defeated Mrs. Elvin Heiberg and Capt. P. S. Thompson.

# Parachutists and Fifth Columns

## BY COL. T. BENTLEY MOTT

### European Correspondent of the ARMY AND NAVY JOURNAL

A FEW days ago a parachutist landed in a pine-forest not far from where I live. The alarm was given, but he was not captured. What is the mission of this man? He doubtless has his papers—French, Dutch or Belgian—and he is now delivering his message or making his investigations. I can imagine him getting word to Germany through Spain.

The successful use of parachutists implies a previous organization on the territory to be invaded; to combat them, equally requires organization. The Germans possess both forms; the British, the French and ourselves possess neither, if we except recently improvised defensive measures. Offensive use of parachutists requires long preparation in peace time. Let us therefore analyze some of the typical cases.

The Russians dropped parachutists in Finland. The result was nil, because the elements of success were lacking—bitter weather, few and distant nerve centres, a hardy, fearless population all in arms. The poor results are not due to Russian inefficiency in dropping their men, but to lack of preparation for their use when landed. To have an appreciable effect upon a military opponent, parachutists must, on reaching the spot designated for their landing, be received by friends who will inform, guide and aid them. Without this preparation small groups landed in critical locations will not be able to effect much damage before being mastered, presuming, of course, that critical spots are already guarded. Large groups would then be the only recourse, thus restricting the number of points that may be seized and increasing the visibility of the attacks. The Russians had no such organization in Finland and their parachutists accomplished nothing; the Germans had it in Holland, and thus did useful work.

This success will be studied by all other armies with a view to meeting the danger or learning how to employ the weapon. As matters now stand, it looks as though only three nations are equipped to use it with success—Germany, Japan and Russia; for these are the only ones who have in foreign countries the organization needed to render the arm effective.

It would be extremely slow and difficult work for people such as Englishmen, Frenchmen or Americans doing business in foreign lands, to create the required organization, even if their governments' conceptions of decency would allow them to try. These men are not by nature spies and they would have to be taught. They could never keep the work secret and the Home Office would have no effective methods of punishing or rewarding these volunteers. None of these limitations have existed or now exist for Germany, Russia or Japan.

The tempting field for fifth column and parachutist operations against the United States would be at spots bordering on the Caribbean. In places such as Natal, Rio, Sao Paulo, Montevideo, etc., all that happened in Holland could doubtless be reproduced. A good harbor could be seized, garrisoned and fortified before help from the United States could arrive. We would then be obliged to land forces at some other spot and march them overland to the attack. Narvik and Trondjem are examples of this procedure in the matter of sudden seizure and the difficulties presented to retake the points held.

The use of parachutists such as we saw in Holland implies sudden invasion of an unsuspecting population. The usual steps that used to precede hostilities would greatly diminish their effectiveness. The easiest way to estimate the value of parachutists and fifth columns, separately or combined, is to imagine two cases. Assume the United States army deliberately preparing to invade German territory: in what way could it get the preliminary information necessary to land and use parachutists? What persons could it count upon in German territory to perform fifth column work? Now reverse the question and suppose the German army was preparing to invade United States territory: it would have at its disposition the whole secret service of the German gov-

ernment, it would have or could get knowledge of exactly the spots where parachutists could be used. There would be at their disposal on landing Nazi organizations now existing within our territory. Our counter-measures, preceding a war, would have to be undertaken in conformity with our laws and solely by government agents. At present our people are not organized or prepared to ferret out and report fifth column activities and our laws enable these (in peace-time) to comfortably pursue their objects and be ready when the signal is given.

If such conditions exist in United States territory, they are even more favorably present in several South American countries. German laws and habits constitute a bulwark against fifth column preparations for work in German territory; these same laws and habits give the German army a weapon which it can use when the moment arrives in almost every region of the Western hemisphere.

In the last nine months French and British agents learned nothing of what Germany was preparing to do in May 1940, whereas the Germans had accurate information as to what the French and British were doing or could do. Nazi mentality at home and abroad constituted effective weapons of defense and offense, and Nazi organization used them.

What can we do at the present moment to offset this situation?

## Principles of Blitzkrieg

Analysis of the principles followed by the German high command in preparing for and conducting warfare in Scandinavia, Netherlands, Belgium, and France gives a fairly comprehensive view of what has become known as Blitzkrieg.

Essentially Blitzkrieg is based on The Total War as expounded by the late General Ludendorff. Fundamentally this involves putting all of the populace and all of the resources on a war footing with universal service comprising not only the soldiers but the 12 men in industry and supply which must back every fighting man in the field. Totalitarian methods made this easily possible, and also made feasible the abolition of internal politics and private business except under strict government supervision.

Realizing the effectiveness of a blockade on themselves by the enemy, Germany prepared for self-sufficiency by "Ersatz" or the use of substitutes. Chemical and industrial research has given her synthetic substitutes for many of the essential items for which she was formerly dependent upon other nations.

The second set of principles was a more complete organization of propaganda in other countries than had been possible before. The radio is looked upon as an essential instrument of war and, under the complete control of the government, is employed to encourage pacifism and complacency in other countries. In addition the spreading of carefully worded leaflets in enemy territory is carried on by airplane.

While not neglecting the other combat elements, great emphasis is placed upon aircraft. To guard against obsolescence and to minimize the cost of losses, fighting airplanes are built as cheaply as possible. Instead of constructing planes capable of many thousands of hours of flight, the Germans build them cheaply and in masses, holding to the theory that many will be lost, more can be built, and those who do last for several hundred hours can be rebuilt.

Long range bombardment is not looked upon with favor by the Germans, who see the plane principally as an extension of artillery. Even with Norway and Denmark in their hands they still felt that the Netherlands, Belgium and the French channel ports were necessary as bases from which to launch an effective air attack on England.

First targets for German airplanes are

the enemy's air installations on the ground, railroads, and then centers of industrial production. With the destructive preparation of aerial bombardment and terrorization, ground troops were enabled to proceed through enemy territory at a speed hitherto considered impossible.

Maneuver is basic in the Blitzkrieg, just as it always has been in German military thought, but the use of airplanes with their surprise element as well as the surprise made possible by motorized ground troops has enabled them to avoid the stalemate brought about by the enemy forcing them into trench warfare, as in the last war.

Also there have been suggestions of the employment of bacteriological warfare, particularly against agriculture, but thus far there has been no evidence of its use.

## Presidio of Monterey Notes

In the good, old summertime—everything happens at once! So, at least, have officers and men of the Presidio garrison discovered, for at the moment of writing Col. Homer M. Groninger's staff and troops are:

Training 350 ROTC Cadets at Camp Ord;

Instructing more than 60 Reserve Officers both at Ord and at the Presidio of Monterey;

Playing general godfather and nurse to more than 800 new recruits of the 39th Engineers and 1st Medical Regiment now being raised at Ord;

Making preparations for the reception of 1200 CMTC cadets, 240 members of the ORC and possibly 300 business and professional trainees at Ord in July;

Laying the ground work for organization of the new Seventh Division, first recruits of which are expected to arrive this week;

And quite incidentally, are putting the finishing touches on their own unit training in preparation for participation in the Ft. Lewis Army maneuvers in August!

Actively engaged in the Ord training are the 2nd Squadron, 11th Cavalry, the 1st Battalion, 76th Field Artillery, and

two companies of the 30th Infantry from Presidio of San Francisco. Present plans call for the completion of all civilian component training in time to permit the two Presidio regiments (11th Cavalry and 76th Field Artillery) to entrain for Ft. Lewis before the first of August.

Completion of the purchase of the 3,777-acre Jacks' Tract, connecting Ord Reservation and Camp Clayton, was announced by Colonel Groninger last week. The deal was completed by Col. R. D. Valliant. Price was believed to be in the neighborhood of \$188,850.

New arrivals on the Post now include Col. John E. Sloan, who has taken over command of the 76th Field Artillery, and Lt. Col. John R. Wright, Post Chaplain succeeding Lt. Col. Charles C. Merrill, who was ordered away last fall.

Capt. and Mrs. J. M. Glasgow are preparing to move this week to his new station at Fresno, district headquarters for the CCC. Captain Glasgow will relinquish his post as E & R Officer to Capt. Frank Thompson, present commander of the 11th Cavalry Machine Gun Troop.

Eleventh Cavalry Horse Show team, led by Lt. Charles M. Isley, is currently participating in the Oakland Horse Show. Over the week-end the team placed as follows: Lt. Isley, riding Alliance, 1st place in 5-ft. class, 4th place in open jumping, and, with Sgts. George McKinley and Charles Neal, fifth place in the hunt team class. He also placed fifth with Billy D in road hacks. Sgt. McKinley, riding Captain Kidd, accounted for a second-place ribbon in the 4-ft. jumper class.

Officers and their ladies gathered at the Officers' Club on 23 June for the long-awaited 49er Night, staged by the club committee of Maj. and Mrs. Wayland Augur, Capt. and Mrs. William N. Gilmore, and Lt. W. H. Hale, Jr.

All officers and their families have been invited to attend the wedding of Miss Virginia Howard to Lt. Gibson Stewart, U. S. Army, to be held 28 June at Del Monte Chapel. A reception will follow at the Officers' Club at the Presidio.



**BILL CORUM**  
famous Columnist says—

"The 7 Crown Whiskey you blended a few years ago was marvelously smooth and mild—but today's 7 Crown has it beat a mile!"

"AMERICA'S FINEST"

**Seagram's 7 Crown**  
TASTES BETTER



Seagram's 7 Crown Blended Whiskey. 40% straight whiskies, 60% grain neutral spirits. 90 Proof. Seagram-Distillers Corporation, Executive Offices: New York, N.Y.

**HOBART** ELECTRIC KITCHEN & BAKERY MACHINES

Mixers • Slicers • Peelers  
Food Cutters • Dishwashers

THE HOBART MFG. CO., TROY, OHIO

## Disbursement of War Department Funds and Effect Upon Industry

BY  
MAJ. GEN. HOWARD K. LOUGHRY  
Chief of Finance, U. S. Army

RECENT military operations in Europe have emphasized the many technical changes made in the implements of war over the last twenty years. The speed of these mechanized forces coupled with the destruction inflicted by total war has impressed the public mind with the prime necessity of marshalling the entire resources of a nation quickly in any successful defense effort.

The urgent and varied demands of the Military Establishment will call for a speed-up in many of our industries. The successful completion of our efforts to re-arm will require close coordination between government and industry.

For the requirements of the Military Establishment for the coming fiscal year, budgetary provision has been made as follows:

In the Regular 1941 Appropriation Act, approved June 13, 1940 ..... \$1,499,323,322  
In the 1st Supplemental National Defense Appropriation Bill, F. Y., 1941 ..... 821,002,047

Total ..... \$2,320,325,369  
In addition to the total above, \$2,320,325,369, contractual authorizations provided were as follows:

1941 Appropriations Act .. \$ 323,220,636  
1st Supplemental National Defense Bill, 1941 ..... 254,176,761

Total, Contract Authorizations ..... \$ 577,406,397

Total available for obligation ..... \$2,897,731,766

Augmentation of the Air Corps and additional mechanization contemplated in the schedules incorporated in these appropriations will affect a wide variety of industries and manufacturers. For example, some of the critical and essential items demanded in this implementation include aircraft and engines, ammunition, tanks, radios and searchlights.

Necessary provision has been made in the supplemental bill to redouble efforts in research and development. The experience of the last two months has provided an excellent laboratory for testing theories and equipment. Adjustments must be made to conform with current conditions and requirements indicated by the latest available information.

The policy of granting educational orders to a large number of widely distributed firms and manufacturers will be continued. The Assistant Secretary of War has used this method for several years in an effort to broaden the base of production on certain selected items which would be immediately demanded in the event of mobilization. In addition to \$16,250,000 appropriated for this purpose, further provision has been made to expand this program.

The Annual Appropriation Act also carries under the appropriation title "Emergency Fund for the President" an amount of \$66,000,000 in cash and \$66,000,000 contractual authority, to be available until June 30, 1942. It will enable the President to provide for emergencies affecting the national security and defense and for each and every purpose connected therewith. These funds are available for training personnel in connection with the production of critical and essential items of equipment and materiel.

In the pending 1st Supplemental National Defense Appropriation Bill an item is included under the appropriation title "Expedited Production" in the amount of \$150,000,000 cash and \$50,000,000 contractual authority, for the purpose of expediting the production of equipment and supplies, for erection of structures and for acquisition of land, the furnishing of government-owned facilities at privately owned plants, the procurement and training of civilian personnel in connection with the production of equipment and materiel and the use and operation thereof.

Provision is also made in the Supple-

mental Bill for the purchase of 3,000 airplane motors to the amount of \$43,500,000.

There are also included in the Act funds to the amount of \$264,000,000 to cover the remaining requirements of critical items of equipment for the Protective Mobilization Plan force of 750,000 men in units plus 250,000 replacements. Included in the list of critical items are 5,500,000 yards of uniform cloth. Due to the difficulty of manufacture and the long time required to procure cloth and turn it into uniforms, cloth recently has been classified as a critical item of equipment.

The increased construction program distributed throughout the United States, will require the services of architects, builders, and skilled and unskilled labor in order to provide shelter for increased personnel and equipment.

In a major effort to re-arm, it is anticipated that industry will make every reasonable effort to cooperate. However, two possible bottlenecks have been anticipated.

In the first place, immediate demand

will undoubtedly exceed industry's capacity to produce. Coordination in the establishment of priorities and wide distribution of orders to effectively and efficiently utilize all existing and potential capacity are major requirements. The National Defense Advisory Committee named by the President is already cooperating effectively with the War Department in the matter of coordination.

Secondly, although many business men are anxious to secure orders and render all assistance possible, they are unable to finance contracts in the initial stages. Certain actions of the War Department are designed to meet this problem.

In a bill now pending in Congress, authority is vested in the Secretary of War to advance to contractors, with proper security, for war construction and materials, money up to 30 per cent of the contract price, in order to expedite national defense and ease the suddenly increased financial burden which industry will be expected to assume in the interest of national defense.

Further, it is imperative that manufacturers and dealers be provided promptly with cash in liquidation of outstanding obligations and, in addition, full advantage must be taken by the government of any discounts offered. The Finance Department of the Army is charged with the disbursement of these funds. In addition to the disbursing officers located at posts and stations, the Finance Department has established offices in many of the larger cities such as Boston, Philadelphia, St. Louis and Denver. Existing facilities are being expanded so that bills may be processed and paid as expeditiously as possible.

### Corps Area Quartermaster

Maj. Edwin C. Gere, QMC, Chicago, Ill., has been announced as Sixth Corps Area Quartermaster, effective as of 16 June 1940.

## SCHOOL AND CAMP DIRECTORY

The Schools and Camps listed below are effectively equipped to care for the educational and recreational needs of the children of members of the services and this Directory is recognized as an authentic and reliable aid to service parents in solving the problem of child education. For details as to the Schools and Camps listed in this Directory address them directly, or communicate with the Army and Navy Journal Department of Education.

### CALIFORNIA



**ANNAPOLIS, WEST POINT, COAST GUARD, FLYING FIELD.**  
Brilliant success in exams. 31 yrs. U. S. ARMY GENERAL. "I chose your school for my son since at both Annapolis and West Point your boys stood best."  
● Make up shortages, including new-required lab. chemistry, while tutoring for exams.  
2901 CALIFORNIA STREET San Francisco

### ST. CATHERINE'S MILITARY SCHOOL

Anaheim, California  
30 miles from Los Angeles  
Boarding School for Boys 5-15  
50TH year  
Rates to the Services

### GEORGIA

### WEST POINT — ANNAPOLIS Preparation Georgia Military Academy

Offers Special courses preparing for the Exams  
For information address  
Wm. R. Brewster, G. M. A.  
College Park, Ga.

### These Schools and Camps

- Invite requests for catalogues and information.
- In writing, kindly mention The Journal.

### MARYLAND

### COCHRAN-BRYAN

The Annapolis Preparatory School  
ANNAPOLIS, MD.  
Specializing in preparing candidates for Annapolis, West Point, Coast Guard Academy. Unlimited individual instruction. Special rates to the Services. Dormitory facilities. Catalog.  
S. Cochran, Lt. Comdr., USN (Ret.) U.S.N.A. '08  
A. W. Bryan, Lt. (jg) USN (Ret.) U.S.N.A. '22

### St. Mary's Female Seminary JUNIOR COLLEGE

High School 3 and 4 College 1 and 2  
Country location on water, 70 miles from Washington. Home care, individual attention, expert guidance. College transfer and semi-professional courses. All types of sports—outdoor and indoor. Very reasonable charge. Catalog on request. Miss M. A. France, M. A., President, St. Mary's City, Md.

### MARYLAND

### CHARLOTTE HALL Military Academy

Accredited preparatory school 35 miles from Nation's Capital. Rich in tradition, modern in equipment, sound in scholarship. New swimming pool. Upper and Lower Schools, Academic, Commercial and General Courses. Social and recreational activities. 167th session Sept. 12.  
Major M. D. Burgess, B.S., M.A., Principal, Charlotte Hall, Maryland.

### MASSACHUSETTS

Boys 7-14. Through 9th grade. Country location, 1½ hours from Boston. Balanced program of studies, sports. French, music stressed. Skiing, riding, water sports. Catalogue.

MR. AND MRS. WHITTON E. NORRIS, BOX D, ASHBURNHAM, MASS.

## ASHBURNHAM \* ASHBURNHAM MASSACHUSETTS

### NEW JERSEY

### ADMIRAL FARRAGUT NAVAL CAMP

3-day Cruise to N. Y. World's Fair

Boys 10-20. July 5 to Aug. 30, on Toms River near Barnegat Bay. Sailing, navigation, cruises, land sports. 75 miles from N.Y.C. Rate includes uniform. Tutoring available. Rear Admiral S. S. Robison, U.S.N. (Ret.), Supt. Catalog. Box 23, Toms River, N. J.

### NEW YORK

### BRADEN'S

FIFTY-SIX YEARS OF UNPARALLELED SUCCESS IN PREPARING FOR WEST POINT AND ANNAPOLIS

Unlimited Individual Instruction  
For catalog write H. V. Van Slyke, Headmaster, Cornwall-on-Hudson, New York.

Preparing Exclusively for WEST POINT AND ANNAPOLIS  
**Stanton Preparatory Academy**  
CORNWALL, N. Y.

5 miles from West Point—New fireproof Dormitory  
H. G. STANTON, Lt. Colonel, O. R. C.  
Graduate West Point, 1911; Instructor Dept. of Math., West Point, 1914-17. Asst. Prof., West Point, 1921-25.

Patronize  
Journal Advertisers

### VIRGINIA

### FORK UNION MILITARY ACADEMY

Fully accredited. Prepares for college or business. Able faculty. Small classes. Supervised study. Lower School for small boys in new separate building. Housemother. R. O. T. C. Fireproof buildings. Inside swimming pool. All athletics. Best health record. Catalog 10th yr. Dr. J. J. Wickham, Pres. Box D, Fork Union, Virginia.

### WASHINGTON, D. C.

### COLUMBIAN PREPARATORY SCHOOL PULL'S ANNAPOLIS WEST POINT

Formerly "Schadmann's"  
Over 30 years' experience in preparing successful candidates for West Point and Annapolis. High record in preparing Presidential, Naval Reserve and Congressional Competitive Candidates. Send for catalogue and Presidential record.  
SUMMER COURSE BEGINS AUGUST 1  
Air-Conditioned Class Room, Study Hall & Dining Room.  
1443 Rhode Island Ave., N. W., Washington, D. C.

**SULLIVAN SCHOOL** West Point—Annapolis  
Prepares for entrance exams both Academies. 100% record of success Navy Presidentials, National Guard, Naval Reserve candidates 1940. Summer Course. Family of Academy graduates. Lieutenant G. J. Sullivan, M.A., Box 1, 2126 Wyoming Ave., Washington, D. C.

### ANNAPOLIS

Handles students won 5 of the first 6 places in nationwide competition for Naval Reserve appointments including No. 1. For 6th consecutive year students have won 32% of all basic Naval Reserve appointments.  
Summer course begins August 1.  
**RANDLES SCHOOL**  
1923 N Street, N.W. Washington, D. C.

### HAWAII

### PUNAHOU SCHOOL HONOLULU, HAWAII

Kindergarten through high school. Coeducational. Accredited to all mainland colleges. Seventy-acre campus, boarding and day, R.O.T.C. Athletics for all, dramatics, art, music, manual arts. Last economics. Patronized by the Service. Hundredth year begins September 16, 1940.

Address—President, Punahou School.

## The Communications Industry and National Defense

BY REAR ADM. LEIGH NOYES  
Director of Naval Communications

THE essential requirements for national defense of large quantities of communication appliances and of large numbers of highly skilled, technical and operating, communication personnel have been responsible for the perpetuation of close liaison between the military services and the many business enterprises which together constitute our vast communications industry. The importance of this industry to national defense has repeatedly been recognized by Congress. The first of the declared purposes for the enactment of the Communications Act of 1934 was to make available a rapid, efficient, wire and radio, communication service "for the purpose of national defense." Many of the problems involved in the common purpose to assure the availability of adequate, effective, communication facilities upon mobilization have received the careful attention of governmental and private interests and most of these problems have been solved through cooperative action. During the past decade, the military and naval importance of our commercial communication resources has been considered by interdepartmental committees, in congressional hearings and debates, and in proceedings before and reports by the Federal Communications Commission and its predecessor, the Federal Radio Commission. Recently the Federal Communications Commission devoted a substantial portion of a report to the Senate Committee on Interstate Commerce to the possible effects upon national defense of certain proposed mergers between radiotelegraph, cable and telegraph companies in the international and domestic fields. The most important features of the vital importance of the communications industry, both to the Army and the Navy, have recently been discussed in the ARMY AND NAVY JOURNAL. It is the purpose of this brief article to reconsider this subject in the light of recent developments and in view of the increased responsibilities of the industry occasioned by the current program of expansion in national defense and industrial preparedness.

The tremendous influence of industrial preparedness upon modern warfare should long have been obvious. If, during some periods of our comparatively peaceful history, we have failed to appreciate fully the importance of industry to national defense, such is not now the case. Recent world events make it clear that our essential industries are not merely important but are indispensable to successful national defense. Every American citizen now realizes that unless these industries are immediately streamlined to meet military requirements, geared to a productive capacity greater than that required to meet normal peacetime demands, our defenses might prove inadequate successfully to resist the impact of an aggressor, better industrially prepared. This sudden widespread realization of our immediate task has been crystallized into unified action by the recent program for expanded national defense—a program in which industry obviously has the greatest responsibility. The immediate response to this program foreshadows accomplishment which will be a surprise to all and particularly to those who consider adequate industrial preparedness under private ownership in a democracy impossible. Ultimate accomplishment of this program depends to a considerable extent upon the capacity of the communications industry to contribute communication facilities in greatly increased quantities—facilities without which the expanded military services cannot hope to be operated successfully.

With each succeeding war, the vital importance of adequate, reliable means of communication, operated by personnel of absolute loyalty and devotion to duty, becomes increasingly more apparent. The areas in which a single coordinated military operation are now conducted have become so extensive that the exercise of command constantly requires increasingly effective means of communication of a wide variety. These, the industry must be prepared to furnish.

Our communications industry is com-

posed of many business enterprises, the activities of which range from research invention and development, through manufacture, to operation. In all major fields of communication enterprise we lead the rest of the world. In the field of operation, we possess a multiplicity of commercial radio, telegraph, telephone, and cable circuits ready, if need should arise, to augment and replace purely military and naval channels. In contrast to those of other leading nations of the world, our communication enterprises are in private hands, subject to governmental regulation under laws which require, in so far as possible, the preservation of competition. This maintenance of competition has resulted in the availability of many more sources of supply of communication equipment, operating channels and personnel than would otherwise have been available. These resources, adjusted to the increased burdens incident to the national defense program, must be fully prepared to meet the military and commercial demands which will be placed upon them.

Manufacturers of radio, wire, and visual communication equipment will be called upon to supply ever increasing quantities of these devices to equip expanding naval and military forces. The recently adopted defense program naturally places primary emphasis upon acceleration in naval construction, expansion of Army motorized units, the production of innumerable aircraft for military and naval purposes and the creation and enlargement of naval stations, air bases and other similar facilities. However, the production problems which confront the communication manufacturing industries are not limited to the demands of this program. Prior to its adoption, military requirements had greatly increased to meet the expansions occasioned by the neutrality situation. The defense program itself seems destined to increase in tempo due to the turn of affairs in the European war. In addition to the strictly military and naval needs, provision must be made for equipping a large merchant marine as an integral part of the national defense. Large numbers of naval auxiliaries and merchant vessels will be needed if we are to be prepared to defend the entire Western Hemisphere. Finally, the necessities of purely commercial communications can not be neglected lest the economic features of national defense suffer at the expense of purely military preparations. Business must go on!

Thus, the development and procurement of communication equipment to meet these ever increasing demands of national defense constitute joint problems of the Army, the Navy and the communications manufacturing industries. The factors are known. Coordination of development of radio material is to be desired and efforts are constantly being made by the Army and the Navy to effect standardization to insure effective intercommunication. Coordination in procurement planning is essential. Sources of production have been surveyed and their capabilities ascertained. This work is constantly in progress. No procurement plan is ever completed. New developments, new design, new technique necessitate readjustments of estimates and reallocations of available equipment. The problem is one of mass production and distribution. In order to speed up the former, when demands become excessive, design must be frozen and equipment standardized. This does not mean that development will be entirely arrested under such circumstances. On the contrary, it may go on with increasing vigor but new developments can not be adapted to established design at the expense of slowing the output of essential requirements. To that extent, the military services may be deprived of the latest equipment. If it is found that production can not keep pace with requirements, plans have been made for allocations as paramount interest may appear under the principles of the Industrial Mobilization Plan.

This vast program has not been outlined with a desire to raise doubts regarding the readiness and ability of the communications industry to meet its increased responsibilities. The industry can, with confidence, be relied upon to do its part. It was intended in this article, briefly to consider the full scope of the

problem, for only when the picture is viewed in perspective and each pattern considered in detail can the importance of the communications industry to national defense be fully comprehended.

### "National Preparedness"

BY JAMES S. KEMPER  
President, Chamber of Commerce  
of the United States

WHEN Europe and Asia resort to force to decide international issues, America must take the measure of its own defenses. The steep rise of world armament expansion during the past decade and the disturbance to the world political balance by the wars now raging have forced America to embark on a program affecting every one of us. It is a program calling not only for huge military expenditures but one that embraces a tax and debt burden extending well beyond the peaks already reached and a program that may possibly change our whole attitude toward military service and training and which already contemplates a tightening of the liberal attitude we have always adopted toward the foreigner coming to our shores.

Nor should we think that under these circumstances "national preparedness" can be limited to a mere strengthening of our armed defense. Behind armed defense there must be unified national effort to build a strong America—strong in every phase of its structure and in its every activity—strong in its ability to meet these new demands—strong in its determination to do the job ahead efficiently and well.

Only by building a strong America—politically, economically, socially, and militarily—can we, through the republic under which we live, preserve those ideals of free government in the world which, I am confident, are shared by liberty-loving peoples everywhere.

As to immediate defense needs, the recent annual meeting of the Chamber of Commerce of the United States urged the expediting of further armament; an army of adequate size and training provided with the most modern arms and equipment; a navy sufficient to protect the vital interests of the United States; and air component in both the army and the navy with superior personnel and equipped with sufficient planes of the latest type; adequate training and complete equipment of the National Guard and all other branches of defense; plans for industrial mobilization and educational orders; cooperation of business men not only in the supplying of materials and services but also in assisting men in the Guard and the Reserves to accomplish their training without financial loss; adequate measures to counter subversive propaganda and activity in the United States; and substantial economies in the operations of the government in the interests of national safety. In all defense expenditures the fullest value should be obtained for each dollar spent.

Since the establishment of those policies the officers of our armed services, to whose judgment we must look for recommendations as to the equipment and personnel needed, have requested of and received from Congress funds of unprecedented size which at this writing would appear to cover in large part the objectives above mentioned.

But underlying the military aspects of preparedness America must be assured that its major national policies in its relationship with other nations and with due respect for our own military and economic status shall be determined by representatives of the people. It is imperative, in my opinion, that the Congress remain in session, except for short recesses, during the present uncertain international situation, so long as these questions of great urgency and concern to our nation need their consideration.

As a business man I wish again to emphasize that national preparedness expands out well beyond its purely military phase. It calls for a new appraisal of all of our legislation which may in any way deter America from reaching full efficiency in supplying all of the needs of its people, whether for defense or for current civilian needs. Through the broad fields of industry, finance, construction, transportation, natural resources, agriculture,

and trade and commerce both domestically and with other countries, we shall have problems arising calling, as do defense problems, for calm and sound judgment, devoid of hysteria, and above all of defeatism. America is a forward-moving, a quick-moving and a sure-moving nation. In its defense preparations and in its determination to build a better America I am sure that these characteristic qualities of the American citizen will assert themselves in unified effort for the common good.

### "Communications in a Changing World"

The facilities and services afforded by modern radio are an efficient and essential arm of our National Defense. Col. David Sarnoff, Sig.-Res., president of the Radio Corporation of America, declared at the Institute of Public Affairs in Charlottesville, Va., 21 June.

"They are invaluable assets of our nation in today's swiftly changing world," Colonel Sarnoff said. "In these dark days we can only resolve that they shall ably serve and sustain our hope and courage, and increase our wisdom and understanding. With unity of purpose, they will help preserve the free institutions of America."

In his address Colonel Sarnoff said:

"I might report that the formerly active radiotelegraph circuit of the Radio Corporation of America between New York and Oslo has been discontinued, and our traffic with Norway now clears through Berlin or Gothenburg, Sweden; or that radiograms to Czechoslovakia and Poland are now transmitted via Berlin. There is, at this time, no radio traffic whatever between this country and Holland or Belgium. The direct New York-Paris radiotelegraph circuit was closed a week ago. There is no radiotelegraph communication between the United States and the German-occupied areas of France, but when I left my office yesterday, it was still possible to send radiograms via Bordeaux to the unoccupied areas."

"These are plain facts, and men engaged in the public service of communication must be governed by them. Their implications, however, are ominous and inescapable. They are the early brown leaves that have fallen from the tree. But if they seem to portend the winter of our civilization, we must believe with Shelley that if winter comes, spring cannot be far behind."

"The universal means of communication which radio has brought into being remains the hope of mankind for that interchange of information, education, and culture by which alone the peoples of the world can understand the common problems of the world. It remains true that only through communications can there be that meeting of minds which must be obtained if world opinion is to establish and maintain peace."

"War has obscured but not destroyed this truth. Those who are trying to remake the world in the image of barbarism understand it clearly enough. They fear to expose their peoples to the interchange of intelligence, so they forbid them, under pain of imprisonment or death, to listen to anything other than the false propaganda of their own controlled broadcasting."

"Furthermore, when the history of our times is written, I am confident that the vastly broadened communications which science and research have given to the world, will get their due share of credit for quickening public opinion on the true meaning of the issues now to be decided by the free peoples of the world."

"It is the abuse, and not the use, of the instrumentalities which science has created for civilized living that has contributed to some of the world's disasters. Civilization is made or broken, not by machines, but by men."

"In the Americas, we have had a happier fortune in our use of the modern means of communication which the progress of science has made possible. Among the benefits which we have received have been the steady growth of good-will and mutual understanding between the United States, Canada and Latin America, to which the inter-American communication facilities have made a substantial contribution."

"Our broadcasting services, and our national and international communication facilities, constitute the nerve system of our democracy. They speed the business of the nation. They keep our people informed on national and international affairs. They help to formulate public opinion and to express that opinion on vital matters affecting our democratic processes of government."

"These facilities and services are an efficient and essential arm of our national defense. They are invaluable assets of our nation in today's swiftly changing world. In these dark days we can only resolve that they shall ably serve and sustain our hope and courage, and increase our wisdom and understanding. With unity of purpose, they will help preserve the free institutions of America."

## SERVICE NEWS AND GOSSIP

**Foreign Affairs**—The contact which Germany and Italy now have with Spain through France, is expected to result in the Franco Government entering the war on the side of the Axis. Pressure also is being applied to Portugal to take like action.

The object of this move is to deprive the United Kingdom of the foodstuffs of the two countries and of Spanish ores and scrap iron, to promote Spanish reduction of Gibraltar, which, with Spanish occupation of Tangier, would close the western entrance of the Mediterranean to British warships, and to use Spanish, and possibly Portuguese ports, as submarine, air and raider bases for operations against the bulk of the English trade, which passes in the Atlantic off the Iberian shores. Thus, with cooperation with ships and planes operating from French bases, the English and Irish Channels will be partially, if not entirely blocked, and British merchantmen will be compelled to swing wide into the Atlantic, and reach Scottish and English ports through the northern entrance of the Irish Sea. As English munitions factories have been depending largely upon Spanish and North African mines for their iron ore, it is apparent they must now resort to the New World for such essential. This, together with the delay in transportation, will slow down factories, and consequently hamper the delivery of supplies of munitions to the Armies. Besides ores, including iron, copper, and mercury, England obtains from Spain oranges, almonds, potatoes, olives, olive oil, cork, and wines. All of these now can be transported to German and Italy by rail, and if the British ships and planes be driven from the Mediterranean, by boat to Italy.

So far as British winning the war is concerned, the addition of Spain and Portugal to the Axis Powers also would seriously reduce the efficacy of the sea blockade. There will be in effect what will be tantamount to the Continental Blockade instituted against the United Kingdom during the Napoleonic wars. These several considerations are responsible for the most determined efforts on the part of the Churchill Ministry to keep Spain at least a non-belligerent, and to induce Portugal to respect the Alliance, which long has existed between the London and Lisbon Governments. Admittedly the task is exceedingly difficult. It was with the help of German planes, tanks and artillery, and Italian munitions and troops, that General Franco drove to victory in the early months of 1939. He owes a debt of gratitude to Mussolini and Hitler, which has caused them to count on his support when needed, and can have no liking for Great Britain, which, with France, operated to bring about his defeat. After he established his Government, General Harrington, in command at Gibraltar, reported to London that "Franco had wished to be neutral, but that Herr Hitler had told him that he would use his bombers from Spanish aerodromes." It is to be assumed he also wanted to use Spanish ports as submarine and raider bases. Further as indicating German interest in Spain are statements which emanated from Berlin before the war began that Spain was regarded as the key to the future development of European affairs, and that Franco's policy would help to change the balance of power sufficiently to offset the greater Armed strength of Britain. Mussolini especially has maintained close relations with Franco. He has been encouraging him to develop his country into a great military power, with an active imperialistic policy. The exhaustion consequent upon the Civil War prevented Franco from adopting the Italian plan, but now that France is conquered, and he is faced directly by Axis strength, no one would be surprised should he comply with the wishes of his fellow Dictators.

There is still another reason why Hitler and Mussolini should want Spain and Portugal to combine with them. It is the influence those countries possess in Latin America. They see the United States laboring energetically to develop a hemispherical front against their war and ideological policies. Our warships are in South American waters to assist the national governments to preserve their authority and law and order. With the authority of the State Department, the American Minister to Uruguay made a speech in which he declared it to be the intention and avowed purpose of his Government "to cooperate fully, when such cooperation is desired, with all other American Governments in crushing any activities arising from non-American sources, which might imperil our political and economic freedom." A declaration of this character is to be submitted to the Pan-American conference, which is to meet at Havana, and will supplement a declaration refusing to recognize the transfer of any American territory to a non-American State. If through Iberian influence, these declarations can be modified, or given only lip service, it might cause the Republics to refrain from too active support of the United States, and, therefore, of Britain, and would encourage dissident groups in an attempt to overthrow the governments which resisted the pressure applied to them. To put it another way, division of attention of the United States through hostile activity in Latin America would be water over the Axis dam. Spain and Portugal would be valuable levers to this end. Our own government is watching carefully in both Madrid and Lisbon, and will use its efforts to prevent their interference in purely American affairs.

**Quartermaster Corps**—A number of new tables of organization have been prepared for wartime Quartermaster units. One of these organizations is a Graves Registration Company, superseding the old Graves Registration Battalion which was to be activated on mobilization. The company of four officers and 100 enlisted men is designed to serve a corps of three combat divisions and attached corps troops. Normally, one of the four platoons will be required to serve an infantry division during and after combat. The duties of a Graves Registration Company are to supervise the identification and burial of the dead, the collection and disposition of the personal effects of those killed in action and the location and registration of graves and cemeteries in the theater of operations. The company does not embalm the dead, nor does it actually bury the dead, such labor being furnished by Quartermaster service units.

Another set of tables covers a Laundry Battalion of 22 officers and 1,085 enlisted men, organized into four companies, and commanded by a lieutenant colonel. The battalion is equipped to serve a force of 160,000 men weekly, each company being able to supply 40,000 men by washing 40,000 each of coats, shirts, socks, towels, trousers, undershirts and underdrawers, based on two six-hour operating shifts. The company will not iron, dry-clean or de-gas. The laundry company is completely mobile, all of its operating equipment being mounted on four-wheel trailers. Each platoon has four trailers, each with an electric motor-driven washing machine and extractor, four trailers for the four tumblers, two trailers equipped with generating machinery and two with equipment for furnishing steam and hot water. A cargo truck and trailer is assigned each platoon for local hauling needs.

The Quartermaster Pack Troop will have a strength of two officers, 73 enlisted

men, 287 mules and nine horses. Cargo capacity is five tons for each platoon, 20 tons for the troop of four platoons.

Tables of organization have also been drawn up for various port troops, including port headquarters and port headquarters company, and the Quartermaster Port Battalion which provides longshoremen.

A Quartermaster Railroad Company has been set up to operate army, corps and division railheads with the necessary personnel to handle the supplies for a force of about 30,000 troops. Each of the three platoons can handle supplies for about 10,000 men. They are nearly self-sufficient and can obtain any additional common labor required from Quartermaster service units.

A Quartermaster Refrigeration Company is equipped to provide a 30 days' stockage of 2,500 tons of fresh meat and 1,500 tons of other perishable food products, to manufacture 200 tons of ice each 24 hours, and to produce "retail" cuts of meat from the "wholesale" cuts. The company consists of four Quartermaster and two Veterinary Corps officers and 230 Quartermaster and eight Veterinary Corps enlisted men.

A Remount Squadron will replace the former Remount Regiment in wartime because of the increase of motorization. The squadron can operate a field remount depot of 1,600 animals, or each of its four troops can operate a depot of a 400-animal capacity. The squadron has 18 QMC officers, eight Medical and Veterinary Corps officers, a chaplain, and 644 enlisted men.

Tables have also been prepared for a Sales Commissary Company and a Quartermaster Supply and Transportation Company for the Headquarters and Headquarters Company, Replacement Depot.

A total of \$4,191,556.63 in contracts was awarded by the Quartermaster Corps during the period 1 to 15 June, it was announced this week by Acting Secretary of War Johnson. Of this amount \$1,194,914.56 went for construction projects which included a \$311,999 contract for completion of Air Corps Technical School No. 3, Chanute Field, Ill.; a \$402,442 project for construction of miscellaneous buildings at the Panama Canal Zone, and a \$191,700 contract for temporary type buildings at Ft. Myer, Va. An additional \$2,996,642.07 was awarded during the fortnight for articles of clothing and equipage, chiefly blankets, and cloth.

**Navy Medical Corps**—The Navy Department announced this week that a class of officers of the Medical Corps of the Navy and of the Naval Reserve Medical Corps will report at the Naval Air Station, Pensacola, Fla., on 15 July 1940, where a school for flight surgeons has been established. The instruction will include a basic course in aviation medicine and indoctrination flight training. The school will provide training leading to one of two designations: naval flight surgeon, or qualified aviation medical examiner. The designation "Naval Flight Surgeon" will be restricted to those medical officers who complete a prescribed course of indoctrination flight training in addition to their basic training in aviation medicine. The designation "Qualified Aviation Medical Examiner" will be given to those officers who complete the basic course in aviation medicine but who do not complete the indoctrination flight instruction.

The basic course in aviation medicine will comprise about eight weeks of training, and will be virtually the same for both designations. The indoctrination flight instruction will consist of about six to eight weeks of flight training, to be followed by a further short period of practical instruction in the performance of the duties of a flight surgeon, particularly with regard to the conduction of flight physical examinations.

**Chemical Warfare Service**—A chemical maintenance company, the first unit of its type, is being activated in the Chemical Warfare Service as a result of the expansion of the Army to 280,000 men. This company will be attached to the field army or to GHQ reserves to maintain chemical equipment in the field. Expansion of the Army from 227,000 to 242,000 gave the Chemical Warfare Service six men which were assigned to the chemical sections of the 4th Division and the IX Army Corps. The increase from 242,000 to 280,000 men will give CWS, in addition to the chemical maintenance company, chemical sections for the 7th and 8th Divisions and additional depot personnel.

The mutual transfer of Lt. Cols. Edward C. Wallington and John A. Baird, announced recently, has been cancelled. Colonel Wallington whose Washington tour ends in August was slated to go to 1st Corps Area, Boston, to relieve Colonel Baird, who was to come to the Office Chief of Chemical Warfare Service. Maj. Alden H. Waitt, member of the staff and faculty of the Air Corps Tactical School, Maxwell Field, Ala., who had been under orders to the Army War College, will report instead to the office of the Chief of Chemical Warfare Service on or after 1 July.

**Navy Line Changes**—Orders were issued this week covering the transfer of Rear Adm. Frank Jack Fletcher from command of Cruiser Division 3 to Cruiser Division 6, as reported in the 8 April issue of the ARMY AND NAVY JOURNAL. Capt. Edward W. Hanson, commandant of the naval station at Tutuila, Samoa, will be relieved about 31 July to become commanding officer of the USS Indianapolis. The present commander of the Indianapolis, Capt. John F. Shafroth, jr., will be detached about 10 Aug. for duty in the Bureau of Navigation. Capt. Laurence N. McNair will be captain of the yard, New York Navy Yard, relieving Capt. Lemuel M. Stevens, who will go on sick leave. Capt. Charles C. Ross, manager of the Charleston Navy Yard was also ordered relieved to continue treatment at Charleston Naval Hospital.

Lt. Comdr. Steven W. Callaway will be detached as commanding officer of Patrol Squadron 52 about 15 July for duty at the Cape May Naval Air Station and to command that station when it is recommissioned. He will be succeeded as commander of Squadron 52 by Lt. Comdr. Charles C. McDonald.

**Finance Department**—A disbursing office will be opened at the Presidio of Monterey, Calif., in the near future to handle fiscal matters at that post and at contiguous Camp Ord, where the new 7th Division is being organized. Capt. Frank G. Fraser, FD, who is now en route from the Philippines and who had been assigned to duty as property auditor at 1st Corps Area headquarters, Boston, will report instead to the Presidio of Monterey as disbursing officer.

Capt. James H. Dickie, now in the property auditing office in Washington, will be in charge of the new finance office to be opened at MacDill Field, Fla. Maj. Edmund W. McLaren will assume Captain Dickie's duties in addition to his own work.

**Corps of Engineers**—Capt. William W. Bessell, jr., who reported for duty in the personnel section of the Office of Chief of Engineers on 13 June, has been assigned as commanding officer of the enlisted detachment of that office, succeeding Lt. Col. Willis E. Teale. He also relieves Colonel Teale on the board which is charged with the preparation of promotion lists of eligibles for master sergeant and technical sergeant. Another change was made on the promotion board at the same time, with the naming of Capt. Gerald E. Galloway as member, relieving Capt. Frank Z. Pirkey.

Maj. Walter E. Lorence, who also reported to the Office Chief of Engineers, has been assigned to duty in the finance section. Capt. Kingsley S. Anderson is in addition to his present duties assigned as acting district engineer, U. S. Lake Survey Office, Detroit, Mich.

A contract has been awarded by the Chief of Engineers to a Belleville, N. J., firm for \$32,610 worth of water purification units.

**Bureau of Supplies and Accounts**—Capt. Ray Spear, paymaster general of the Navy and chief of the Bureau of Supplies and Accounts, with temporary rank of rear admiral, was recommended for promotion to permanent grade of read admiral in the Supply Corps by a selection board, headed by Rear Adm. Christian J. Peoples, (SC), USN, which met in the Navy Department 10 June.

The board's recommendation was approved this week by President Roosevelt. Admiral Spear assumed his present post 1 April 1939. He was awarded the Navy Cross and the War Department Distinguished Service Medal for services as Force Supply Officer on the staff of the commander of the Cruiser and Transport Force, Atlantic Fleet, during the World War.

**Puerto Rican Department**—The War Department announced today that orders are being issued for a detachment of 137 men of the 24th Air Base Squadron (Double), stationed at Kelly Field, Tex., to proceed to Puerto Rico for permanent station. These men are required for normal air base operations in Puerto Rico.

The total strength of the 24th Air Base Squadron is 711 men. In March, 1940, one hundred men of this squadron were sent to Puerto Rico and accommodations are now available for the 137 additional men now being sent. They are scheduled to sail for Puerto Rico from Charleston, S. C., about 25 July 1940. It is planned ultimately to station the entire 24th Air Base Squadron in Puerto Rico.

**Bureau of Aeronautics**—A new patrol squadron, 55, will be placed in commission at Norfolk, Va., Naval Air Station about 7 to 10 July, with nine new patrol bombers. Orders were issued this week to five ensigns of the Naval Reserve, detaching them from other units of Patrol Wing Five and assigning them to duty with the new squadron. Ordered from Patrol Squadron 52 were Ens. Roy L. Brister and Ens. Harold W. Hickman. From Squadron 53 were ordered Ens. Frank B. Gorman and Ens. Winslow L. Pettingell. Ens. John J. Hennessy was ordered from Squadron 54. Also to be placed in commission in the near future is Squadron VP-13 at San Diego. A squadron with that number maintains its home station with the other units of Patrol Wing One at San Diego, but has been based at Pearl Harbor, T. H.

**Air in Maneuvers**—An armada of approximately 320 fighting ships of the Army Air Corps assembled at Barksdale Field, La., 23 to 25 May, inclusive, during the Third Army Maneuvers, and gave the nation its first demonstration of complete military maneuvering, plus a simulation of the land and air operations which have been going on in Europe.

Three wing headquarters were established at Barksdale Field as a complete general air force, with Brig. Gen. Frederick L. Martin, Air Commander.

The provisional fighting unit took to the air on the morning of 24 May to participate in preliminary bombing, ground strafing, reconnaissance and pursuit fighting. The following day the combat armada swept through the mock war area in simulated total air and land "blitzkrieg." Individual planes in various flights went wing tip to wing tip in the final smash, while on the ground tanks, horse and mechanized cavalry, foot and mechanized infantry, field artillery, machine gun units and truck trains staged what was the fastest moving attack and retreat ever demonstrated in the United States.

Under the command of General Martin were three provisional wings. The Pursuit Wing, comprising 125 fast fighters, was the Second Wing, under the command of Brig. Gen. Arnold N. Krogstad, normally commanding general of the Second Permanent Wing (Heavy Bombardment) at Langley Field, Va. The First Provisional Wing, Heavy Bombardment, was made up of four-motored Bombers from General Krogstad's normal command. It was under the command of Maj. Harold L. George. The Third Provisional Wing with medium and light Bombardment planes, was under the command of Col. John C. McDonnell, normally commander of the Third Bombardment Group at Barksdale Field, La.

In addition, there were the usual reconnaissance units, headed by the 16th Reconnaissance Squadron, Barksdale Field.

The personnel demonstrated highest efficiency throughout the maneuvers. The work of assembling this force by radio orders in approximately 18 hours from the Atlantic and Pacific Coasts, the Canadian Border and Virginia, was a masterpiece of execution by the GHQ personnel.

During the Third Army Maneuvers, the 8th Bombardment Squadron (L), Barksdale Field, La., saw action actually as a Light Bombardment Squadron, using A-18's exclusively. A wide variety of missions were flown, such as attacks on enemy airbases, tank organizations, anti-aircraft batteries, convoy trucks and ground strafing of troops. The "Jeeps" have performed creditably, too, thanks to superb maintenance.

**Million-Dollar Armory**—A \$1,000,000 armory now nearing completion in Chavez Ravine, Elysian Park, Los Angeles, soon will be available to the 800 officers and 2,500 men of the Navy and Marine Corps Reserve in the Los Angeles area, replacing an antiquated building built originally as a machine shop in 1916. A drill deck, 265 feet long and 128 feet wide, is covered by what is said to be the largest Lamella-roof west of the Mississippi. This roof, with no supporting pillars or obstructions of any kind, affords free room for training of approximately 2,500 men and 800 officers. A balcony in the interior serves the double purpose of a running track, and a gallery for spectators.

The second unit of the armory, separate from the drill shed, is the main administrative building of reinforced concrete construction, three stories high with a mezzanine floor and tower. This building, 300 feet by 140 feet, has a floor area of 122,000

square feet with an additional 40,000 square feet of space in the basement.

The building, which is being constructed by the Work Projects Administration, under the sponsorship of Los Angeles County, will provide every desirable facility for the Naval and Marine Reserve. On the first, or basement, level of the administration building, will be the boiler, electrical and other utility rooms, an 83-foot swimming pool, a rifle range 114 feet by 35 feet, handball courts, classrooms, commissary, magazine vault, clothing and storage rooms, shipkeeper's quarters, storage quarters for the quartermaster officers, enlisted men's assembly room and the main galley. On the second, or street floor, are the executive offices, officers' reception rooms, wardrooms, marine company rooms, naval division rooms, medical and aviation division suites and a library. Locker rooms and an officers' lounge are on the mezzanine, while the third level will provide a mess hall auditorium, and theatre.

The armory occupies a 4½-acre site and is surrounded with ample grounds for landscaping. A parking area, also available as a parade ground, contains 82,000 square feet entirely enclosed by reinforced concrete retaining walls, the highest of which is 25 feet.

Land was donated by the City of Los Angeles; the structure sponsored by the County of Los Angeles. At the completion title will pass to the Federal government. Construction of the armory, now 95 per cent complete, was made possible through a Federal contribution of \$724,131, largely for wages for the WPA workers, and a pledge of \$364,000 by the sponsor. It is estimated that an additional sponsor's contribution of \$100,000 will be necessary to complete the swimming pool and facilities on the third floor.

**Ranking Navy Officers Retire**—Three rear admirals head the long list of officers and warrant officers who will retire from active service in the Navy on 1 July—a list which would have been even longer had not involuntary retirement of officers designated as fitted but not for retention been suspended by an amendment to the 1941 Navy Supply Bill. Rear Adms. Cyrus W. Cole and Joseph R. Defrees will retire by reason of having reached 64 years of age. Rear Adm. Henry E. Lackey also reached 64 this month, but is retiring for physical disability.

Other officers to retire 1 July are: Capt. Wells E. Goodhue, 30 yr.; Capt. Howard D. Lamar, (SC), physical; Capt. Isaac S. K. Reeves, (MC), physical; Capt. Max M. Frucht, 40 yr.; Capt. Evan W. Scott, (ChC), 30 yr.; Comdr. Cuthbert A. Griffiths, physical; Comdr. Gustave H. Bowman, physical; Comdr. Raymond D. Mac Cart, 20 yr.; Comdr. Roland G. Mayer, 20 yr.; Lt. Comdr. Ernest F. Slater, (MC), 30 yr.; Lt. Comdr. William H. Farrel, 30 yr.; Lt. Comdr. Frank W. Quin, (MC), physical; Lt. Comdr. Frank W. Hathaway, (SC), physical; Lt. Comdr. Mortimer E. Serat, jr., (CC), physical; Lt. Comdr. Fleete S. Steele, (MC), physical; Lt. Comdr. Albert R. Myers, physical; Lt. Comdr. John A. Marsh, (MC), physical; Lt. Comdr. Joseph G. Hagstrom, (SC), physical; Lt. Samuel E. Nelson, physical; Lt. Harold L. Tallman, physical; Lt. James A. Woodruff, jr., physical; Lt. William G. Dow, physical; Lt. Harry E. Padley, physical; Lt. (jg) Robert L. Baker, physical; Lt. (jg) Edward W. Wilson, (MC), physical; Chf. Elec. Samuel A. Devlin, physical; Chf. Mach. Benjamin F. Strawbridge, physical; Chf. Pay Clerk Ole B. Vikre, 30 yr., and Chf. Gun. Carl J. Nerdahl, 30 yr.

## The Defense Program

(Continued from Page 1055)

law, with only the President's signature lacking, this is especially important in view of the magnitude of the program now being undertaken, which will tax existing facilities to the limit and make expansions necessary.

However, the Maritime Commission, the Coast Guard and the Navy are cooperating closely in the awarding of construction contracts to make most effective possible use of shipbuilding facilities. In addition, the system of negotiated contracts will enable the Navy to place orders for each type of vessel with the shipyards best qualified to build such types.

**Personnel**  
In addition to the amalgamation of the Construction Corps with the line, Mr. Edison declared that several other personnel changes should be made. For one thing, he said, the tours of duty of certain officers in Washington should be extended in the interests of efficiency, though Mr. Edison made it clear he was not advocating blanket extensions. He also declared his dissatisfaction with the filling by line officers of many jobs which should be taken over by Staff Corps officers or civilians, leaving the line officers available for billets at sea.

In this latter recommendation, the head of the Navy Department advocated a change which has for years had strong support in civilian circles.

**Keep our ships:**  
Finally, Mr. Edison, though endorsing turn-back of 20 "mosquito" boats to Electric Boat Company for sale to Great Britain, stated that he had withstood pressure to sell old vessels of the Navy. He had been besought for three years, he said, to dispose of the laid-up destroyers, all 111 of which are now being recommissioned. He had refused to sell the ships, he reminded, and now the wisdom of his decision had become evident. In reply to the twice-repeated question: "Do you consider any of our combatant ships to be surplus?", the Secretary replied as many times that he did not.

The turn-back of the motor torpedo boats (which has since been repudiated by Mr. Roosevelt in the face of mounting

protests) he justified on other grounds than a question of their being surplus. Principally, he said, turning the ships back for new ones would enable Electric Boat to get into a production basis on such craft. Furthermore, the present boats fire 18-inch torpedoes, a type not only out of production in the Navy but much inferior in performance to the standard 21-inch torpedo. Redesign of the boats to carry 21-inch torpedoes is resulting in increase of their length by five feet.

Wisdom of the Navy's decision not to sell or dismantle the South Charleston, W. Va., ordnance plant has also been proven, Mr. Edison said. As it is, facilities of armor-plate producers are now severely taxed, though, the Secretary concluded, the armor-plate production is not a serious "bottle-neck" in the shipbuilding program.

## Cloth for New Army Jacket

The Quartermaster Corps this week awarded a contract for the purchase of cloth necessary to manufacture 10,000 of the proposed new jackets for the Army. The cloth for the proposed jacket is a cotton twill known as "Byrd Cloth" because it was used by members of Admiral Byrd's expedition. It is light in weight, but yet said to be durable, wind and water repellent.

It is expected that the cloth will be delivered in about 45 days at which time manufacture of the new jacket will begin at the Philadelphia Depot. As related on page 1027 of the ARMY AND NAVY JOURNAL of 22 June, the proposed jacket was developed in the Third Corps Area headquarters under direction of Maj. Gen. James K. Parsons, USA.

It is expected that the jackets will be ready in the Fall, at which time a division as yet undesignated, will be equipped with for test.

## No Reenlistment Pay For Reserves

The Comptroller General ruled this week that Naval Appropriations are not available for the payment of reenlistment allowances to enlisted men of the Naval and Marine Corps Reserves who reenlist while on active duty.

THE nomination of Mr. Henry L. Stimson as Secretary of War is from a social stand point one of the most interesting and pleasant things that has happened in Washington in many a day. Well known to official society, including the Service folk, both he and his wife held enviable places in the politico-social life of the Capital when Mr. Stimson was Secretary of War in the Taft administration, and Secretary of State in the Hoover regime. Their home, Woodley, one of the loveliest of historic mansions, one-time summer White House of Presidents Van Buren and Cleveland, was the centre of a gracious hospitality. Its mistress, a woman of dignity and charm, is conservative and distinctive in manner and appearance. She is slim of figure, with white hair beautifully coiffed, wears smart clothes and always looks the part of the grand dame. Her keen sense of humor and wit also gives her an added attraction.

Mrs. Knox, wife of Col. Frank Knox, named as Secretary of the Navy, is not so well known in Washington, but her home in one of the suburbs of Chicago, and especially its garden is beautiful, and its mistress, a handsome woman of distinction is beloved for her many philanthropies, though for some time past she has been more or less of an invalid.

A merry party at Ft. George G. Meade was that celebrating Sunday the forty-fifth anniversary of the wedding of Brig. Gen. Charles R. Kutz, USA-Ret., and Mrs. Kutz at the quarters of their son, Capt. Charles Randolph Kutz, USA, and Mrs. Kutz. In the company of eight were also Maj. Lewis Tenney Ross, USA, and Mrs. Ross, daughter of Gen. and Mrs. Kutz and their young daughter, Marion, who with her mother has just returned from the festivities of June Week at West Point. Miss Ross has just graduated from the Woodrow Wilson High School and in the autumn enters the College of William and Mary. Gen. and Mrs. Kutz gave a small dinner party for her Thursday on the roof of the Army and Navy Club. With Maj. and Mrs. Ross is staying Mr. Bruce Beerman of Honolulu, born on the island, educated there and now making his second visit to the States. A former visit in Washington was with the Sea Scouts, branch of the Boy Scouts, a few years ago.

General and Mrs. Kutz had a military wedding in 1895 in Reading, Pa., home of her parents, Mr. and Mrs. de Benneville Randolph Keim. Her great grandfather was Col. Thomas Beverley Randolph of Va., graduated from West Point in 1812 and took part in the war of that date, and the family have followed the traditions of the Point ever since.

Brig. Gen. Jas. G. Steese, President of the Guajillo Corporation and Affiliated Companies, has returned to his San Antonio headquarters after a several weeks' business and pleasure trip to New Orleans, Chicago, Washington, and New York City. While in the East, General Steese attended a meeting of the Board of Trustees of Dickinson College, of which he has been a member since 1919.

Mrs. John N. Greely and son, John C. Greely, wife and son of Brig. Gen. John N. Greely, Military Attache to Spain and Portugal, arrived in New York on the SS. Washington 21 June from Lisbon, Portugal, and are at the Waldorf-Astoria, before going to Washington.

The Governor of Puerto Rico, Adm. William H. Leahy, and Mrs. Leahy with their son and daughter-in-law, Lt. W. H. Leahy and Mrs. Leahy and children, and Mrs. Albert Niblack who with other members of their family held a reunion at the Admiral Hotel, at Cape May over the week-end, have returned to Washington.

Maj. Gen. and Mrs. F. W. Coleman, U. S. Soldiers' Home, Washington, D. C., and Lt. Comdr. and Mrs. H. S. Berdine, Staten Island, N. Y., are sojourning at Admiral Hotel, Cape May, N. J.

Robert Ludlow Allen, son of Mrs. Allen and the late Capt. James T. Allen, USMC, has been appointed Midshipman to the U. S. Naval Academy.

## SERVICE SOCIAL NEWS

Announcement has been made of the retirement from the presidency of the South Brooklyn Railway Company, a subsidiary of the Manhattan transit lines, of Col. Alexander R. Piper, USA-Ret.

At its meeting of 31 May, the full Board being present, the Company's Board of Directors passed a resolution declaring its appreciation of the "long and faithful service of Colonel Piper as President of this Company,—which service has always been rendered with great ability and with cordiality towards all those associated with him and an ever-watchful eye on the welfare of his subordinates."

Recent guests at the Martinique, in Washington, D. C., included Capt. and Mrs. R. M. Victory, of Philadelphia, Pa.; Lt. Col. W. A. Cophorne, of Ft. Leavenworth, Kan.; Maj. G. H. Beverley, of Fairfield, Ohio; Capt. and Mrs. J. E. Slack of Ft. Sam Houston, Texas, and Capt. and Mrs. C. A. Berrien of Ft. Knox, Ky.

### Weddings and Engagements

IN the chapel of St. Cornelius, the Centurian, on Governors Island, Miss Betty Marie Woodburn, daughter of Major and Mrs. Thomas B. Woodburn, became the bride last Saturday of Lt. Raymond C. Cheal, son of Maj. and Mrs. Harry H. Cheal, of San Francisco.

The ceremony was performed by the Chaplain, the Rev. J. Burt Webster, at half past four and the bride, given in marriage by her father, was lovely in a gown of white chiffon with panels of lace and a train with panel inserts of the lace. Her veil was of silk net and was held in place by a flower tiara. She carried a bouquet of lilies of the valley.

She was attended by Mrs. Thomas R. Hannah, as matron of honor, gowned in blue net with insertions of lace and a heart-shaped net bonnet and carrying an old-fashioned bouquet of pink flowers.

The bridesmaids were the Misses Betty Moore, Priscilla Moody, Dorothy Beach, with Mrs. F. H. Dohs. They wore frocks of pink net with insertions of lace in panels, and wore heart-shaped bonnets of net and carried old-fashioned nosegays of blue posies.

The best man was Lt. Augustus H. Frye, and the ushers Capt. F. H. Dohs, Lts. T. R. Hannah, P. D. Brant, C. J. Denholm, C. P. Stone and Levy Anthony, USA.

A reception followed at the Officers' Club and the young couple then left for a wedding trip in Canada, and will later go to Fort Totten, where Lieutenant Cheal will be stationed.

He graduated from the Military Academy in the class of '37, and the bride attended Notre Dame Convent, Staten Island, Packer Collegiate Institute, Grand Central School of Arts and Art Students League.

Miss Kathleen Patricia Nye, daughter of Col. Elwood L. Nye, USA, and Mrs. Nye, was married 18 June to Lt. Stanton T. Smith, jr., son of Major Smith, AC, USA, of San Antonio, Tex., at the Cadet Chapel at West Point, Chaplain Fairfield H. Butt, 3rd, officiating.

Given in marriage by her father, the bride was lovely in a filmy gown of rows of Chantilly lace over ivory satin, the full skirt spreading into a fan-shaped train, the whole enveloped in a tulle veil held in place by a Marie Stuart head dress. White roses and valley lilies formed her bouquet.

Miss Julia Anne Tefft, daughter of Mrs. W. H. Tefft, and the late Col. Tefft, served as maid of honor. The bride's other attendants were Mrs. J. E. Blair, sister of the bridegroom; Mrs. Patricia W. Guiney, jr., wife of Lieutenant Guiney; Mrs. Walter A. Downing, wife of Lieutenant Downing, and Miss Frances Tulley, daughter of Col. and Mrs. Joseph Tulley.

2nd Lt. James Lotozo was best man and the groomsmen were classmates of the bridegroom, 2nd Lts. Edward Lucas, Page Smith, Robert Strong, Ross Milton, Percy Charles Stoddart, jr., and Victor Zienowicz, USA.

In Cullum Hall a reception was held



MRS. RAYMOND CLAYTON CHEAL.

who before her marriage to Lt. R. C. Cheal, Inf., USA, was Miss Betty Marie Woodburn, daughter of Maj. and Mrs. Thomas B. Woodburn, AGD, USA.

later with the traditional cutting of the wedding cake with the bridegroom's saber. Cape Cod will be the scene of their honeymoon and the Air Corps training school at San Diego, their station.

Miss Anne Ogden Atkins, daughter of Capt. Lew M. Atkins, USN, and Mrs. Atkins became the bride of Lt. (jg) J. J. Staley in St. Anne's Church in Annapolis, June 15. The ceremony at four-thirty was performed by the Rev. Dr. E. D. Johnson, and the bride's hand was given in marriage by her father. She wore white net made on princess lines with insertions of lace, and a tulle veil held in place by a coronet of orange blossoms, and carried white orchids surrounded by white sweet peas.

Her sister, Mrs. F. B. Winfree, wife of Captain Winfree, USMC, gowned in yellow net with a wreath of purple pansies in her hair and a large muff of yellow and purple pansies, was matron of honor. Mrs. M. B. Atkins and Miss Elizabeth Laws were also attendants. Their gowns were of aquamarine net with yellow roses in muffs and wreaths.

Lt. (jg) Thomas V. Peters, USN, was best man and the ushers were Lts. (jg) Joseph N. F. Enright and T. F. Connolly, USN.

The wedding of Miss Catherine Douglas Givens, daughter of Maj. and Mrs. James D. Givens, AC, USA, and Capt. William Dole Eckert, AC, USA, was solemnized at the Central Congregational Church, Providence, Rhode Island, on 15 June.

The crossed swords of the ushers, all

**MILBOUER-TAILORS**  
Business, Dress and Sport  
Clothes  
Custom Tailored Uniforms  
348 STATE STREET  
NEAR HOYT STREET  
BROOKLYN, N. Y.  
Our complete price list on Army  
Officers' Dress and Service Uniforms  
will be mailed to you upon request.

**MAKE LIFE LOVELY  
With GUDE'S FLOWERS**  
**GUDE** BROS.  
CO.  
1212 F STREET, N. W.  
3 Branch Stores

Army and Naval Officers, formed a ceremonial pathway for the recessional after the ceremony, which was performed by Dr. Arthur Howe Bradford at five o'clock.

The bride wore white satin and carried her great Aunt's prayer book mounted with two white orchids. Her veil was trimmed with old family Chantilly lace. She was attended by his sister, Miss Elizabeth Ann Givens, as maid of honor, and the bridesmaids were Miss Terry McCabe, daughter of Maj. Frank T. McCabe, ret.; and Miss Jean Dickson Weddington, daughter of Maj. Leonard D. Weddington, of Birmingham, Ala.

Captain Eckert had for his best man Maj. R. A. McClure, of the Army War College at Washington, and the ushers were Lt. Arnold Carlson and Lt. Theodore S. Dukeshire, both of the USN, stationed at Boston; Lt. Durward E. Breakfield, with the Army Ordnance at Watertown Arsenal, and Capt. David H. Baker, AC, stationed at Boston.

The wedding was followed by a reception at Jacob's Hill Hunt Club, where the bride cut her wedding cake with her husband's sword.

Following the reception, Captain and Mrs. Eckert left on a wedding trip to Canada, after which they will be at home at Wright Field, Dayton, Ohio.

The bride attended Ward Belmont College, Nashville, Tenn.

The bridegroom is a graduate of West Point, 1930, the Army Air Corps Advanced Flying School, Kelly Field, Tex., and Harvard University School of Business Administration, 1940.

At half after four o'clock Wednesday, 15 June, at the Post Chapel, Schofield Barracks, Miss Caroline Logan Boyd, daughter of Maj. Logan Woods Boyd, of Fort Shafter and Mrs. Boyd, became the bride of Ens. John Rousseau Brown, USN, son of Mr. and Mrs. Charles William Montgomery Brown, of Chicago, with Chap-

(Continued on Next Page)

**LOOK  
AT  
ROYAL'S  
NEW NO. 1**



with  
**MAGIC\* MARGIN**

JUDGE this New Easy-Writing Royal by results. Judge its Features of the Future by the time and effort they save... by the better typing they help your operators produce. Give Royal's New No. 1... THE DESK TEST.

Royal Typewriter Company, Inc.  
2 Park Avenue, New York, N. Y.  
Branches and Representatives The World Over

**ROYAL WORLD'S NO. 1 TYPEWRITER**

# Posts and Stations

WEST POINT, N. Y.  
28 June 1940

With the termination of the academic year and June week at the post, officers of the personnel who have been ordered to duty at other stations and their families have been departing daily for their new assignments, while new officers and their families are reporting at West Point for duty.

Lt. Col. James C. Ruddell who has been a student at the Army War College, in Washington, and Mrs. Ruddell have arrived here for station. Lieutenant Colonel Ruddell will take over the duties of the Treasurer of the United States Military Academy relieving Lt. Col. Stanley Reinhardt who has been ordered to Hawaii.

Capt. Herbert B. Enderton who has been stationed at West Point in the department of modern languages and Mrs. Enderton will sail from New York tomorrow for the West coast where Captain Enderton will be on duty at the Presidio of Monterey, Calif.

Capt. John S. Roosma and Mrs. Roosma also will sail tomorrow from New York for their new station in Hawaii. Captain Roosma has been on duty here for five years as the Provost Officer.

Capt. Marion G. Pohl and Mrs. Pohl who have been stationed at Ft. Winfield Scott, Calif., have arrived here for station. Captain Pohl will be on duty in the department of mathematics.

Capt. and Mrs. George Smythe departed this week from West Point where Captain Smythe has been on duty as the Master of the Sword. Captain and Mrs. Smythe will be stationed in Hawaii.

Maj. and Mrs. Clare H. Armstrong are visiting for several days this week Major Armstrong's uncle and aunt, Mr. and Mrs. C. C. Converse, of Hillsdale, N. Y.

Capt. and Mrs. Robert L. Taylor arrived this week from Ft. Myer, Va. Captain Taylor will be on duty with the USMA Detachment of Field Artillery.

PARRIS ISLAND, S. C.  
26 June 1940

The Parris Island Auditorium was scarcely large enough to hold the record crowd which turned out Sunday night to attend the Red Cross benefit movie, "Balalaika." The Parris Island Chapter of the Red Cross is very active at present with ladies' sewing groups meeting four times a week and the Junior Red Cross which meets on Monday mornings under the supervision of Mrs. Augustus T. Lewis. In the immediate future a group to make surgical dressings will be organized. It will meet one afternoon a week under direction of Mrs. Eric B. Hoag.

Before attending Sunday night's movie, Lt. and Mrs. Robert A. Bell, (MC), USN, gave the last of the farewell supper parties for Maj. and Mrs. Francis M. Wulbern who left Monday for Charlotte, N. C.

Lt. Col. and Mrs. Richard H. Jeschke were at home on Sunday afternoon for their daughter and son-in-law, Lt. and Mrs. John S. Oldfield, who are at present their guests.

On Tuesday Maj. Gen. and Mrs. James C. Breckinridge gave a small reception for Lt. Col. A. A. Waters and the other officers of the 10th Marine Reserve Battalion here from New Orleans, as well as for the recent newcomers to the Post.

Mrs. Breckinridge left Wednesday to spend two weeks at the home of her mother in West Virginia. Accompanying her as far as Baltimore, Md., was Mrs. Augustus T. Lewis who will spend a week in Baltimore, Md., as the guest of Col. and Mrs. H. G. Barlett, then proceed to Quantico to spend a week visiting friends there.

A very charming party Friday evening was the supper at which Capt. and Mrs. Walter A. Voglesang, (MC), USN, were hosts to twenty of their friends.

Lt. and Mrs. Robert D. Heintz entertained at dinner on Monday evening in honor of Lt. and Mrs. John S. Oldfield. Later in the week Mr. and Mrs. Robert D. Heintz of Washington, D. C. were the guests of Lt. and Mrs. Heintz for a couple of days.

Newcomers from Quantico, now occupying quarters on the Post, are Capt. and Mrs. Martin S. Reheiser and their son Donald.

The ladies' golf team from Charleston Navy Yard visited Parris Island on Wednesday and played against the Parris Island ladies. Later they were the luncheon guests of the Parris Island ladies at the Officers' Club.

NORFOLK, VA.  
27 June 1940

Capt. and Mrs. Ernest L. Posey entertained on Sunday at their home "The Pincelands" at Bird Neck Point, in honor of their guests, United States Senator Lansdale Sasser of Maryland; John Nickols of Oklahoma; Charles McLaughlin of Omaha, Nebraska; Fred C. Shanberger of Baltimore, and Charles F. Sanders of the Department of Commerce, Washington.

Capt. and Mrs. Thomas S. McCloy were hosts Saturday night at cocktails and dinner given at the Officers Club, Naval Operating Base. Their guests included Lt. Comdr. and Mrs. Robert E. Cofer, Lt. and Mrs. Patrick

Henry, Jr., Mrs. Patrick Henry, sr., and Lt. and Mrs. R. E. Boit.

The officers of the USS Omaha entertained on Thursday afternoon at the Officers Club, Naval Base, in honor of Capt. Paulus P. Powell who has recently taken over command of the Omaha and Mrs. Powell. Guests included in addition to the guests of honor: Commander C. D. Headlee, Lt. Comdr. W. M. Hammett, Lt. and Mrs. W. J. Whitside, Lt. and Mrs. Henri B. Claiborne, Lt. and Mrs. M. P. Dayton, Lt. and Mrs. R. R. Craighill, Lt. (MC) and Mrs. George L. Tabor, Jr., Lt. (SC) and Mrs. P. N. Beckenli, Jr., Mrs. C. W. Brewington, Lt. J. I. Manning, W. J. Bettens, Lt. (MC) F. E. Walter, Lt. (DC) W. J. van Ee, Ensigns P. A. Gregg, A. R. Josephson, J. B. Wallace, J. C. Weatherwax, R. J. Van Santen, C. P. Mason, Jr., and F. E. Wagenhals.

Capt. and Mrs. Lewis Jennings were guests of honor at a cocktail party Friday afternoon given at the Officers Mess in the Navy Yard. The hosts were Comdr. W. W. Gilmore, Lt. Comdr. C. E. Leavitt, Lt. Comdr. H. W. McGrath, Lt. Comdr. Phillips, Lt. (Jg) J. W. Bottoms and Lt. (Jg) I. S. Moore.

Lt. Comdr. and Mrs. Ralph J. Arnold entertained Wednesday at a cocktail party given at their quarters in the Naval Base in honor of their house guests, Lt. and Mrs. Ralph M. Humes. Mrs. Humes arrived the first part of the week from York, Pa., to join Lt. Humes who is attached to the USS Dixie. Other guests were Comdr. Francis K. O'Brien, Comdr. Elbert C. Rogers, Lt. Comdr. and Mrs. John E. Rozner, Lt. and Mrs. G. Lester Kohr, Lt. and Mrs. Jack I. Bandy and Mrs. Joseph Shumers.

ABERDEEN PROVING GROUND, MD.  
25 June 1940

Mrs. A. L. Campbell and her three children, Marian, Jessie and Allan, have gone to San Antonio, Tex., for a month's visit with Mrs. Campbell's family.

Capt. and Mrs. W. Gerken had as their guests this past week end Miss Marjorie Fetter and Miss Dolly Bradley of New York City, New York.

The Officers' Club dance for the ROTC students now stationed at the Proving Ground was held in the Auditorium of the Administration Building on Friday, 21 June 1940. The following Officers and Ladies were in the receiving line which formed at 9:30 P. M.: Col. and Mrs. J. B. Rose, Mrs. H. H. Zornig, Lt. Col. H. A. Nisley, Maj. J. K. Christmas, Maj. W. R. Slaughter, Maj. I. A. Crump, and Capt. B. S. Mesick. Mrs. H. H. Zornig and Maj. J. K. Christmas were Hostess and Host for the dance, and Capt. D. J. Crawford was Master of Ceremonies. A very enjoyable time was had by all.

Mrs. G. A. Zeller is leaving for El Paso, Tex., to spend a month with her parents, Mr. and Mrs. J. H. Barron.

The Blitz-Krieg 13, alias the Ordnance Reserve Special Class, gave a Beer Party at Old Baltimore on Saturday evening, 22 June 1940. The Blitz-Kriegers who extended the hospitality were Lt. Col. and Mrs. C. N. Crawford, Lt. Col. K. W. Harkins, Capt. and Mrs. T. E. Brown, Capt. B. H. Hirsch, Capt. and Mrs. W. W. Gerken, Capt. and Mrs. E. E. Reynolds, Lt. and Mrs. D. B. Willets, Lt. H. L. Gawronski, Lt. F. G. Umstead, Lt. and Mrs. C. E. Emrich, Lt. C. J. Bennett, Lt. W. A. Higham, and Lt. L. W. Tondro.

The graduation exercises for the Ordnance Reserve Special Class which has been receiving instruction from April to June, 1940, will be held in the Auditorium of the Administration Building on Wednesday 26 June. Col. J. B. Rose, Commandant of the Post, will present the diplomas.

CORONADO SAN DIEGO, CALIF.  
25 June 1940

Social activity remains dull in these parts in spite of the return of the Saratoga squadrons and a few surface craft from Honolulu. Everyone discusses plans and a few parties are being given for departing friends, but in a set noted for its gaiety, there is a decided dearth of social affairs.

Mrs. Houston B. Pile presided at a smart luncheon and bridge party on Wednesday, 19 June, at the Marine Commissioned Officers' mess complimenting Mrs. James M. Minter, who leaves for the east with Capt. Minter, USN (MC) shortly.

Another delightful party given for the Minters was a cocktail party Wednesday afternoon, 26 June, given by Capt. William L. Mann, USN (MC), and Mrs. Mann. The courtesy was arranged at the Marine mess also.

Maj. Gen. and Mrs. Charles H. Lyman entertained recently during the tea hour for their house guests, Col. Harold L. Parsons, USMC, and Mrs. Parsons. The Parsons spent several days here enroute from San Francisco to New York City where the officer is to command the Marine barracks at the New York Navy Yard.

Lt. and Mrs. George E. Hughes and children have returned from Honolulu. Mrs. Melville Brown, widow of Comdr. Brown, USN, drove to San Francisco to greet her daughter and family when they arrived, aboard the SS Monterey, Friday, 21 June. The Hughes will make their home in Coronado where the officer will be attached to a Patrol Squadron.

# Weddings and Engagements

(Continued from Preceding Page)

lain James T. Wilson reading the marriage lines.

The lovely bride, who was given in marriage by her father, was gownned in white organly fashioned with a bouffant skirt accented by an all over block print of ice blue water-lilies. Tight fitting long sleeves pointed at the wrists, round neck, basque and cording off the shoulders giving an old-fashioned effect completed the bridal costume. She wore a finger-tip veil.

Miss Patricia Field was maid of honor. The bride's maids were Miss Anne Pritchett and Miss Blen Craddock.

Ens. Gordon Smale was best man. Ushers were Ens. W. J. Salmon and Ens. J. W. McManus of the USS Pennsylvania; Ens. C. H. Rainey and Ens. B. J. Gernerhausen of the USS Tracy; Ens. Roy Burgess and Ens. C. Shumway of the USS New Orleans.

After the ceremony a reception was held at the Officers' Club, Schofield Barracks.

The bride attended Stella Niagara school, New York, and the University of Hawaii. Ens. Brown is a graduate of the United States Naval Academy, Class of 1938.

A beautiful wedding was solemnized on Wednesday, 19 June, at Christ Episcopal Church, San Antonio, Tex., at 8:30 in the evening, when Miss Anne Butler Lawton, the daughter of Maj. and Mrs. Malcolm Stoney Lawton, of Duncan Field, became the bride of Lt. William Renwick Nevitt, of Kelly Field, son of Mr. and Mrs. Guy O. Nevitt, of Houston.

The Rev. Samuel Capers officiated at the impressive ceremony, which was held in a setting of candlelight and white daisies. On the altar were low arrangements of white shasta daisies, and there were sheaf bouquets of the daisies in the sanctuary, and on either side were fifteen-point candelabra, with hanging baskets of the daisies. The choir stalls were banked in palms and woodwardia fern and smilax, and illuminated with myriads of candles. Down the aisle were wrought iron candelabra with tall white tapers, wreathed in smilax.

Mr. Oscar Fox at the organ played Benediction Nuptial, by Saint Saens, during which the church bells were chimed. He accompanied Mr. Pleas McNeel who sang Schubert's Ava Maria.

The groomsmen were Lts. Jack Foster, Harry Bishop, Powell Freeman, Marshall Bonner, Daniel Campbell, Thomas Gent, and W. J. Holzapfel, and Capt. Dyke Meyer, all of Kelly Field. Lt. Charles Clarke, Jr., of Kelly Field, assisted Lieutenant Nevitt as best man.

Miss Lawton's attendants were Miss Shellie Patterson, of Fayetteville, Ark., maid of honor, Mrs. Leland Stranathan, of Maxwell Field, Ala., cousins of the bride, and Mrs. Robert Strauss, of Pensacola, Fla., Mrs. M. P. Freeman, and Miss Louise Jones, of Montgomery, Ala. Mrs. Jack Foster, also a cousin of the bride, was the matron of honor.

The flower girl and ring bearer were little Misses Anne Lee and Harriette Virginia Stranathan, cousins of the bride, and daughters of Lt. and Mrs. Leland Stranathan, of Maxwell Field.

The bride, as she entered with her father, was beautiful in her wedding gown a Patou Model of heavy ice-blue silk paper satin. The tightly fitted bodice had long, close fittings sleeves, buttoned from wrist to elbow, and in points over her hands. She wore the groom's gift, a gold bracelet which had been his grandmother's. Emphasizing the V-neck of her gown was her exquisite lavalliere which had been worn by her grandmother at her wedding, a sunburst of milk blue opals and pearls, surrounding a diamond. The bodice buttoned down to the waistline from which the train fell far behind her as she walked. Her headdress was a tiered halo coronet of the ice blue satin, confining her bridal veil. She carried her childhood prayer book, covered in ice-blue satin, surmounted by an Alba orchid from which showered Stephanotis.

A reception was held after the ceremony at the Duncan Field Officers' Club which was entirely candlelit, and beautifully

decorated all in Shasta daisies. The guests were introduced by Lt. Charles Clarke, Jr. Receiving were Maj. and Mrs. Lawton, Mr. and Mrs. Nevitt, the bride and groom and the bride's maids.

The bride's table was laid with an heirloom cloth of hand made lace, fresh valley lilies, and silver candelabra, with tall white tapers. Her cake was an old-fashioned three-tiered confection. The bride cut the cake with her husband's suber, which had belonged to Major Lawton, and was his gift to the bridegroom.

Miss Marie Louise Mileau, daughter of Maj. and Mrs. Alexander Mileau, Jr., became the bride of Lt. Francis Frey Seeburger IV, Langley Field, Va., the son of Mr. and Mrs. Francis Frey Seeburger III, of Chicago, on Thursday, 20 June, at 8:00 o'clock, at the Fort Sam Houston Post Chapel. Chaplain Smith officiated at the ceremony.

Among the groomsmen were Lts. Jack Ryan and Lt. E. McConnell, of Kelly Field, Lt. W. L. Hayes, Lt. Thaddeus Woltanski, Lt. Sonkalb, Lt. Marcus A. Mullen, Lt. George Ola, all of Randolph Field; Lt. Robert Neal, Lt. Floyd D. Hall, both of Kelly Field, Lt. W. W. Walmsley, of Kelly Field, was the best man.

The bride's maids were Miss Jane Coats, Seawillow Fitzsimmons, Betty Thompson, and Juanita Humphrey. Miss Janet Mileau, sister of the bride, was the maid of honor, and little Joan Mileau, another sister of the bride, was the flower girl.

The bride entered on the arm of her father. She was gownned in chalk white satin, fashioned with a slim, shirred bodice, and with shirred puff sleeves, which extended into long tight sleeves with points over her hands. The neckline was an Elizabethan collar. Emphasizing the princess lines of her gown, were inserts of lace, which flared wide to the bottom of the train. Orange blossoms clasped her veils, a fingertip face veil, with Chantilly lace, and a long full train veil of bridal illusion. She carried a mother-of-pearl prayer book topped with gardenias and valley lilies, and she wore pearls, the gift of her mother.

A reception was held in the garden of the bride's parents.

Col. and Mrs. Frederick R. Garcin announce the engagement of their daughter, Marcelle, to Mr. Carl F. Hoffman, Jr., 2nd Lt., FA-Res., son of Mr. and Mrs. Carl F. Hoffman, of East Chicago, Indiana.

Dr. and Mrs. William Wallace Crawford, of San Diego, announce the engagement of their daughter, Clara Elizabeth, to Ens. Leo Roy Jensen, USN, son of Mr. and Mrs. L. R. Jensen, Des Moines, Ia. The wedding will be an event of early August.

Ensign Jensen was graduated from the Naval Academy with the class of 1938 and is now on duty aboard the USS Tucker.

Christ Church in Coronado, Calif., was the setting Thursday, 6 June, for the afternoon wedding of Miss Marion McKinley and Lt. Edward Johnston, USMC. The bride was given in marriage by Comdr. G. W. Allen, and the Rev. Harry O. Nash performed the ceremony.

Lt. W. E. Gise, USMC, and Mrs. Gise were the couple's only attendants.

Mrs. Johnston, daughter of Mr. and Mrs. John T. McKinley, of Philadelphia, was graduated from Drexel Institute of Technology, Philadelphia.

Lt. Johnston, son of Mr. and Mrs. E. R. Johnston, is a graduate of Purdue University.

Following the wedding, Lt. and Mrs. Johnston left for Philadelphia for a short visit before returning to Coronado where they will make their home.

Lt. (Jg) Samuel Robbins Brown, Jr., USN, claimed as his bride Tuesday evening, 11 June, Miss Anne Banning MacFarland, daughter of Mr. and Mrs. John Cobb MacFarland, of South Pasadena, Calif.

The ceremony was performed in the presence of the immediate families at 5:30 o'clock in the Church of Our Savior, San Gabriel, Calif.

(Continued on Next Page)

## Ordnance Procurement and Industrial Cooperation

BY MAJ. GEN. CHARLES M. WESSON  
Chief of Ordnance, U. S. Army

AMERICAN industry has always supported the Ordnance Department. In peacetime manufacturers and engineers have helped us with our problems without thought of reward. Now that times are critical and our manufacturing problem has become tremendous, they are rallying to our aid.

During the last war contracts for Ordnance supplies and ammunition amounted to over \$4,000,000,000.

The six manufacturing arsenals of the Ordnance Department at full capacity can produce only about 10% of the Ordnance required in a major war.

There are no munitions industries in the United States, and Ordnance materiel has for the most part no counterpart in commercial production. To make up for this deficiency our design and development organizations, our arsenals and proving grounds have since the World War been adapting the requirements of the using services into designs which meet their military requirements and which are also susceptible to commercial manufacture.

To insure a degree of Industrial Preparedness, the War Department has for the past sixteen years been carrying on investigations with private industry for the production of munitions in the event of war. Each Supply branch maintains a number of procurement districts commensurate with its particular problem. The Ordnance Department, having perhaps the greatest war problem, has established fourteen procurement districts. The work done by these Districts has been of transcendent importance in National Defense.

There are 575 different items of ordnance, non-commercial in character, which have been assigned the districts for planned procurement. This planning involved surveys of plants to determine what they could produce, their capacity, plans for plant conversion, special tools and fixtures needed, and development of production processes.

The augmented funds made available by Congress for Ordnance during the past two years have resulted in comparatively large orders being placed with industry for tanks, small arms, artillery and ammunition components. Approximately seventy-five per cent of the money appropriated went to industry and as a result, plants unaccustomed to the manufacture of Ordnance have been, or are being, educated in the manufacture of our materiel on a quantity production basis. As an illustration of how the work has been spread, one contract for \$1,500,000 worth of antiaircraft gun carriages resulted in sub-contracts being placed with sixty-seven different concerns. Some of these concerns are located hundreds of miles away from the contractor's plant.

Education of industry has been further extended through the placing of over two hundred Educational Orders and Production Studies. Educational Orders provide for the particular item: descriptions of methods used in its production; special tools and fixtures; and for the manufacture of sufficient quantities to test the methods developed by the company. Where these orders have been completed, a source of supply has been developed for Ordnance but even in cases where the orders have been placed recently much preliminary work has been done which in an emergency may save valuable time in planning and negotiation.

The value of peacetime procurement planning is already apparent. Manufacturers all over the country are bidding on products which plant surveys have shown they are fitted to undertake. Companies which have not been contacted by the districts are requesting that plant surveys be made. Information, specifications, and drawings are available in District Offices and not centered in Washington as was the case at the start of the World War. Ordnance Officers, production engineers, and inspectors of Ordnance who know their districts and who are known to industry in their districts, are available on the ground for the many duties which would otherwise swamp the

Ordnance Office and the arsenals.

The Ordnance Department has obtained important assistance from commercial laboratories in the United States, which have been most patriotic in offering to investigate special Ordnance problems. In many cases programs have been executed without cost to the Government.

A number of committees from national engineering and scientific societies have been appointed by the War Department from time to time to assist the Ordnance Department in the solution of some of its problems connected with research.

The Department is highly appreciative of the fine cooperative spirit which is shown throughout industry and the willingness of industrialists, scientists, and engineers in civil life to assist the Department in every possible way in the solution of its difficult manufacturing and technical problems.

## Quartermaster Supply

BY  
MAJ. GEN. EDMUND B. GREGORY  
Quartermaster General of the Army

AGAIN the War Department tackles the problem of creating soldiers out of a sizeable portion of our civilian population. The job has many ramifications. An analytical estimate of the situation indicates that, initially, the Quartermaster Corps has a larger share of this job than any other branch of the Army.

After the oath of enlistment a recruit must be transported to his first point of training. Upon arriving at that point he must be fed, clothed, and housed. These are all jobs of the Quartermaster Corps. The recruit may be transported by rail, motor, air, or water. He must be fed good, wholesome food in abundant quantities every day and three times a day. A complete outfit of properly fitting clothing must be issued to him to equip him for all occasions. The old idea of there being only two sizes, one too large, the other too small, no longer prevails. At night, the recruit may go to sleep listening to the rain on a tin roof, a canvas roof, or a slate, tile or shingle roof. The Quartermaster Corps is charged with providing various types of shelter varying from the "pup" tent to the most modern reinforced concrete barracks having all the conveniences, utilities, and sanitary facilities of an up-to-date home.

The recruit joins a group and becomes a member of a unit. Again the Quartermaster Corps is charged with the task of equipping the unit with organizational equipment. The Quartermaster Corps is responsible for the procurement, storage, distribution and issue of all equipment and supplies common to two or more branches of the Army. Only the additional supply of armament ammunition and technical items, peculiar to the respective branches, is necessary to completely equip a unit to take the field.

The initial supply of the individual and the unit is only the beginning. Maintenance of the individual and the unit begins the day the recruit takes his oath of enlistment or the day a unit is activated and continues until the day the soldier is discharged or the unit is made inactive.

Some idea of the responsibility of a post quartermaster's job may be gained by comparing it to that of a city manager of a sizeable city with, in addition, the responsibility of running all the clothing stores, all the grocery and meat markets, the plumbing and electrical concerns, the bakeries, the laundries, the stationery stores and printing plants, the motor and vehicle repair shops, the lumber and building materials yards, the architect and building contracting concerns, the cemeteries, the rail facilities within the city limits, perhaps a small boat, barge or ferry line and many other incidental shops and facilities.

How does the Quartermaster Corps propose to accomplish its task? In the first place the Quartermaster General has organized his office on a sound administrative basis. The same organization is found in every quartermaster field agency. Control and supervision are centralized but operation is decentralized. The principle that responsibility should be commensurate with authority is strictly

adhered to. Every officer and enlisted man has been trained to do his job, from the "bean counter" to the automotive engineer.

In the second place, and in addition to its usual role of supply to the Army, the Quartermaster Corps, as the "business man" of the Army has coordinated and cooperated with and "fraternized" with industry. Over a period of years industry has become acquainted with Quartermaster problems and the Quartermaster Corps, in turn, has become familiar with the problems of industry. Should mobilization be required on the basis of 1,000,000 men or 4,000,000 men industry knows what will be required of it and the Quartermaster Corps knows what industry can do.

To use the term "industry" connotes a broad field of manufacture. The term is properly used as thousands of items produced by the Quartermaster Corps cover a cross section of agriculture and manufacture ranging from that of heavy or durable goods to consumer and even luxury goods.

Some idea of the magnitude of the Quartermaster General's task and its effect on industry may be gained by a brief and general analysis of the Military Appropriations Act for the Fiscal Year 1941 recently passed and the First Supplemental Act FY1941 which has passed both Houses of Congress and will probably be law before this is read. The two acts appropriate, for Quartermaster Corps functions, approximately a half a billion dollars (\$500,000,000). This amount to be obligated within the next year and provide for a standing Regular Army of 375,000 enlisted men plus reserve equipment for future expansion.

Of the total amount of funds involved nearly \$65,000,000 is for subsistence and will be absorbed by the agricultural and food industries.

\$11,931,047 will be applied to regular supplies ranging from stationery, office furniture, typewriters and the new field ranges to forage and shoes for animals.

One of the largest sums, \$102,604,091, will be spent for clothing and equipment. That is, for the individual's clothing and his personal and incidental equipment. Many other industries besides the clothing and shoe industries will share in the expenditure of this fund.

Industry will benefit indirectly from the funds expended for Incidental Expenses amounting to \$8,660,000.

All phases of the transportation industry will be involved in the expenditure of funds for the requirements of Army transportation. A little over two million dollars will be applied to the procurement of animals, animal vehicles, and harness, \$17,562,558 is set up for the purchase of new boats, supplies and repairs for boats, wharfage, towage, pilotage, and stevedoring. Procurement of motor vehicles, gasoline and lubricants, and the maintenance of motor vehicles will involve the expenditure, spread over the motor industry and the petroleum industry, of approximately \$49,000,000. Transportation of individuals and supplies under Quartermaster Appropriations will result in practically every railroad in the United States sharing, to some extent, in the utilization of \$23,445,743 for Army transportation by rail.

The maintenance and repair of barracks and quarters, hospitals, utilities, and the acquisition of land and new construction will reach a figure of well over \$195,000,000. A tremendous construction program is now under way which will result in a decided increase in practically every field of the building and contributory industries. Incidentally, this program is under the immediate supervision of the Quartermaster Officer who was charged with the construction of cantonments during World War I.

Last, and perhaps as it should be, the Quartermaster expenditure program for the Fiscal Year 1941 carries an item of approximately \$1,500,000 for cemetery expenses.

In the final analysis, during any expansion, the Quartermaster Corps' task is immediate and vital. The procurement and distribution load to provide food, clothing, and shelter does not come after the recruit reaches his first point of training but prior to that time.

## Weddings and Engagements

(Continued from Preceding Page)

Lt. Bennett Wright served the groom as best man.

The bride is a graduate of Marlborough and Pine Manor, Wellesley, Mass. She attended the University of California at Los Angeles and is a Kappa Alpha Theta. Lieutenant Brown, son of Mr. and Mrs. Samuel R. Brown, of New York and Coronado, was graduated from the Naval Academy with the class of 1934.

Lieutenant and Mrs. Brown sailed Wednesday, 12 June, on the SS Matsonia for Honolulu where the officer is on duty aboard the USS New Orleans. They will be at home after 15 July at Lanikai, Oahu, Hawaii.

Maj. and Mrs. Arthur E. King, FA, announce the marriage of their daughter, Kathryn M., to Lt. Kenneth Dawalt, 77th Field Artillery, at the home of the bride's parents in Akron, Ohio, on 9 June 1940.

Mrs. Dawalt is a graduate of Punahou Academy, Honolulu, T. H., and of the University of Vermont; a member of Kappa Alpha Theta sorority. Lieutenant Dawalt attended Depauw University and graduated from the United States Military Academy with the class of 1936.

The happy couple will be at home after 1 July at Fort Sill, Okla.

Comdr. John Willard Vann, (MC) USN, and Mrs. Vann announce the engagement of Mrs. Vann's daughter, Martha Frances Dougherty, to Ens. William George Brown, USN.

Miss Dougherty attended the University of Southern Calif., where she was affiliated with Delta Delta Delta sorority.

Ensign Brown, son of Lt. Col. Alfred O. Brown and Mrs. Brown, of Bloomington, Illinois, graduated from the Academy with the class of 1938.

The wedding will be an event of early autumn.

The engagement was announced yesterday of Miss Elizabeth A. Shouse and Mr. Cuthbert Russell Train, son of Rear Adm. Charles R. Train, USN (Ret.) and Mrs. Train.

Miss Shouse is the elder daughter of Mrs. Jouett Shouse. Her mother is Mrs. Lawrence Groner, wife of the Chief Justice of the District of Columbia. Mr. Train, a Princeton man, class of '32, is a scion of one of Washington's oldest families. His mother was formerly Miss Errol Brown, daughter of Mr. and Mrs. George Brown, long-time residents of the District.

Miss Evelyn Ackridge, daughter of Mrs. A. J. Ott of St. Louis, Mo., was married to 2nd Lt. Leonard F. Dow of Mitchell Field, son of Mr. and Mrs. R. W. Dow of Wenatchee, Wash., in the quarters of Col. Douglas B. Netherwood, commanding officer of Mitchell Field and Mrs. Netherwood, 22 June 1940. The Rev. Ralph M. Reed, post chaplain, performed the ceremony.

The bride wore an afternoon frock of French blue chiffon with a matching chiffon turban, and carried a bouquet of pink roses. Her only attendant, Mrs. John F. Sharp of Mitchell Field, chose a dusty pink lace afternoon dress and a pink turban. Her bouquet consisted of blue delphinium. Colonel Netherwood gave the bride in marriage.

A reception for officers and their wives was held after the ceremony. The couple will live in Garden City, Long Island. Second Lieutenant Dow was graduated from Washington State College in 1939 and after completing the course at the Air Corps training center in San Antonio, Tex., came to Mitchell Field where he is attached to the 5th Bombardment Squadron.

Maj. and Mrs. Arthur E. King, FA, announce the marriage of their daughter, Kathryn M., to Lt. Kenneth Dawalt, 77th Field Artillery, at the home of the bride's parents in Akron, Ohio, on 9 June 1940.

Mrs. Dawalt is a graduate of Punahou Academy, Honolulu, T. H., and of the University of Vermont; a member of Kappa Alpha Theta sorority. Lieutenant Dawalt attended Depauw University and graduated from the United States Military Academy with the class of 1936.

## OBITUARIES

**Brig. Gen. John T. Thompson, USA-Ret.**, died 21 June at his home at Great Neck, Long Island, N. Y.

General Thompson was born in Newport, R. I., 31 Dec. 1860. He was graduated from the United States Military Academy in June, 1882, and commissioned a second lieutenant of artillery. He transferred to the Ordnance Department in December, 1890.

In the Spanish-American War General Thompson served in the rank of lieutenant colonel, and during this period of his service he was Chief Ordnance Officer, 4th Army Corps, from July, 1898, to October, 1898, then was a member of the Board of Officers to select camp sites in Cuba and was charged with arrangements for Ordnance Depots on the island to November, 1898, and served in the Ordnance Office, War Department, Washington, D. C., to 20 June 1899.

From February, 1904, to October, 1907, General Thompson served as Assistant to the Commanding Officer, Rock Island Arsenal, Rock Island, Illinois. Then followed a detail in Washington, D. C., as Senior Assistant to the Chief of Ordnance.

General Thompson retired 2 Nov. 1914, in the rank of colonel. He was recalled to active service in the Ordnance Department, 16 April 1917, and was Chief of Small Arms Division, Ordnance Office, and in charge of design and manufacture of small arms and cartridges and served as Advisory Engineer, Director of Ordnance Training, Director of Arsenal, to 20 Dec. 1918. On 21 June 1930, General Thompson was promoted brigadier general, retired. General Thompson was awarded the Distinguished Service Medal.

In civil life General Thompson held the following positions: General Ordnance Engineer, Remington Arms-Union Metallic Cartridge Co., 1914-1917; Consulting Engineer, Eddystone Rifle Plant, Midvale Steel and Ordnance Co., 1915-1917; Consulting Engineer, New York, 1919.

He is survived by a daughter-in-law at 17 North Drive, Great Neck, Long Island, N. Y.

**Maj. John H. Burns, Inf., USA**, died at Johns Hopkins Hospital, Baltimore, Md., 25 June.

Major Burns was born in Oswego, N. Y., on 12 April 1889. Graduating from Columbia University with a B.S. degree in 1916, he was appointed a captain of Infantry in the Officers' Reserve Corps in August, 1917, and was immediately called to active duty.

During the World War he served in various command and staff duties at Camp Upton, N. Y., from September, 1917 until May, 1920. During 1922-1925 he was on duty in the Panama Canal Zone.

He was graduated from the Company Officers' course of the Infantry School at Ft. Benning, Ga., in June, 1926, and was thereupon detailed for duty as instructor with the New York National Guard with Headquarters at Schenectady, N. Y. He remained on that duty until June, 1931.

Major Burns attended the Command and General Staff School at Ft. Leavenworth, Kans., from September, 1931, to May, 1933. His next assignment was with the 23rd Infantry at Ft. Sam Houston, Tex., where he was Adjutant of that regiment from July, 1933 to July, 1934.

Major Burns was then ordered to Washington, D. C., as a student officer at the Army War College. Upon graduation in June, 1935, (Please turn to Page 1083)

June 1940, Miss Margaret Goodman Shedden, to Mr. Allen Tupper Brown, son of Mrs. George C. Marshall, wife of Gen. Marshall, Chief of Staff, USA.

**COBURN-HARTNETT** — Married at St. John's Episcopal Church, Bethesda, Md., 22 June 1940, Miss Harriette Howe Hartnett, daughter of Col. and Mrs. Eugene H. Hartnett, USA-Ret., to Mr. William Hoffman Coburn.

**CRAWFORD-RIDGWAY** — Married in Chapel at Ft. Myer, Va., 18 June 1940, Miss Virginia Ann Ridgway, daughter of Maj. and Mrs. Matthew B. Ridgway, Inf., USA, to 1st Lt. Claude Lee Crawford, Inf., USA.

**CURTIS-WALTON** — Married at Baltimore, Md., 20 June 1940, Mrs. Frances Thompson-Walton to Lt. Col. Donald Curtis, USMC.

**DAWALT-KING** — Married in Akron, O., 9 June 1940, Miss Kathryn M. King, daughter of Maj. and Mrs. Arthur E. King, FA, USA, to 1st Lt. Kenneth Dawalt, FA, USA.

**DILLEN-MEYERS** — Married at Honolulu, T. H., 13 June 1940, Miss Betty Meyers to Lt. Roscoe F. Dillen, Jr., USN, son of Capt. and Mrs. R. F. Dillen, USN-Ret.

**DODSON-WALSH** — Married at St. Paul's Lutheran Church, Charleston, W. Va., 18 June 1940, Miss Ann Brown Walsh to Lt. (jg) Joseph Allen Dodson, Jr., USN.

**DOW-ACKRIDGE** — Married at Mitchell Fld., Ala., 22 June 1940, Miss Evelyn Ackridge to 2nd Lt. Leonard F. Dow, AC, USA.

**DUNN-GRACE** — Married at Ft. Meade, S. D., 15 June 1940, Miss Jane Ellen Grace, daughter of Lt. Col. Charles O. Grace, VC, USA, to 1st Lt. Edward Clare Dunn, Cav., USA.

**ECKERT-GIVENS** — Married at the Central Congregational Church, Providence, R. I., 15 June 1940, Miss Catharine Douglas Givens, daughter of Maj. and Mrs. James D. Givens, AC, USA, to Capt. William Dole Eckert, AC, USA.

**ENSIGN-CHIPMAN** — Married at the Balboa Heights Baptist Church, Panama, C. Z., 15 June 1940, Miss Lila Morehouse Chipman, daughter of Lt. Col. and Mrs. Albert D. Chipman, CAC, USA, to Lt. Lewis P. Ensign, AC, USA.

**FELTS-DAVIS** — Married in the Little Church Around the Corner, New York, N. Y., 20 June 1940, Miss Margaret Davis to Ens. Wells C. Felts, USN.

**GREENE-FOMHOF** — Married at Bronxville, N. Y., 22 June 1940, Miss Sally Stratton Fomhof to 2nd Lt. James Scott Greene, Jr., Cav., USA, son of Mrs. Vsevolod de Falevitch and the late Maj. James Scott Greene, USA.

**HAINES-LAMAR** — Married in St. Andrew's Chapel, U. S. Naval Academy, Annapolis, Md., 22 June 1940, Miss Winifred Sharp Lamar to Ens. John Lyman Haines, USN, son of Col. and Mrs. Ralph E. Haines, CAC, USA.

**HAZELTINE-HOLMES** — Married at Belfast, Me., 29 June 1940, Miss Rebecca M. Holmes to 2nd Lt. Charles B. Hazeltine, Jr., Cav., USA, son of Lt. Col. and Mrs. C. B. Hazeltine, SC, USA.

**HILTON-NEFF** — Married in the Church of the Good Shepherd, Meadowbrook, W. Va., 19 June 1940, Miss Lucy Latane Neff to Ens. John J. Hilton, Jr., USN.

**HOOPER-DAY** — Married at Montclair, N. J., 15 June 1940, Miss Josephine Natalie Day to Lt. (jg) Charles David Hoover, USN.

**HORAK-EASON** — Married at New York, N. Y., 18 June 1940, Miss Doris J. Eason, daughter of Comdr. and Mrs. Curry E. Eason, USN, to Mr. Joseph E. Horak, Jr.

**HURON-BONZER** — Married in the chapel at the Naval Operating Base, Norfolk, Va., 2 June 1940, Miss Marguerite Bonzer to Ens. Francis H. Huron, USN.

**JORDAN-OLSON** — Married in Hallam Chapel, St. James Episcopal Church, New London, Conn., 17 June 1940, Miss Mary Louise Olson, daughter of Comdr. and Mrs. Mrs. Louis B. Olson, USCG, to Lt. (jg) James L. Jordan, USN.

**LACKEY-PHILLIPS** — Married at Christ Episcopal Church, Blacksburg, Va., 23 May 1940, Miss Kate Thompson Phillips, daughter of Lt. Col. and Mrs. Wilmer Stanley Phillips, CAC, USA, to Lt. John Herbert Lackey, USA.

**MACDONALD-CLARKE** — Married in St. Mark's Church, Mount Kisco, N. Y., 22 June 1940, Miss Mellicent Talcott Clarke, daughter of Mrs. Talcott Hunt Clarke, and the late Maj. Clarke, USA, to Mr. Angus S. MacDonald.

**NEVITT-LAWTON** — Married at Christ Episcopal Church, San Antonio, Texas, 19 June 1940, Miss Anne Butler Lawton, daughter of Maj. and Mrs. Malcolm Stoney Lawton, AC, USA, to 2nd Lt. William Renwick Nevitt, AC, USA.

**PATRICK-WYNNE** — Married at the Freeman Street Baptist Church, Norfolk, Va., 15 June 1940, Miss Elizabeth Beatrice Wynne to Bower Reynolds Patrick, Jr., son of Capt. and Mrs. Bower R. Patrick, USN.

**ROGERS-BONZER** — Married at Central Union Chapel, Honolulu, T. H., 3 June 1940, Miss Virginia Bonzer to Ens. Leon W. Rogers, USN.

**ROGERS-RIGGS** — Married in Mobile, Ala., 17 May 1940, Miss Marylynn Riggs to Ens. Richard Spalding Rogers, USN.

**SEEBURGER-MILEAU** — Married at Ft. Sam Houston Post Chapel, San Antonio, Texas, 20 June 1940, Miss Marie Louise Mileau, daughter of Maj. and Mrs. Alexander Mileau, Jr., USA-Ret., to Lt. Francis Frey Seeburger, IV, USA.

**SHILE-ROGERS** — Married in the Parke Memorial Chapel of Saint Andrews Cathedral, Honolulu, T. H., 5 June 1940, Miss Virginia S. Rogers, daughter of Col. and Mrs. Joseph Albert Rogers, USA-Ret., to Ens. Raymond S. Shile, USN.

**WILHOYT-WILSON** — Married in All Saints Episcopal Church, Beverly Hills, Calif., 31 May 1940, Miss Elizabeth Evans Wilson, daughter of Maj. and Mrs. William Rosser Wilson, USA-Ret., to 2nd Lt. Ellis Edmund Wilhoit, Jr., CE, USA.

## Died

**BRODMANN** — Died at Decatur, Ill., 30 March 1940, Capt. Edmund Alexander Brodmann, (ChC) USN-Ret.

**BURNS** — Died at Johns Hopkins Hospital, Baltimore, Md., 25 June 1940, Maj. John H. Burns, USA, editor of the Infantry Journal.

**BUTLER** — Died at Naval Hospital, Philadelphia, Pa., 21 June 1940, Maj. Gen. Smedley D. Butler, USMC-Ret., husband of Mrs. Butler, father of Mrs. John Wehle, Smedley Butler, Jr., and Thomas Richard Butler.

**DAVIS** — Died at Burlington, Vt., 17 June 1940, infant son of Capt. and Mrs. Leroy C. Davis, FA, USA.

**DICKERSON** — Died at West Point, N. Y., 9 June 1940, Mrs. Nellie A. Dickerson, mother of Mrs. Ralph E. Curti.

**GRACE** — Died at St. Paul Park, Minn., 12 June 1940, Loretta Grace, wife of James L. Grace, mother of Mrs. R. E. Barnes, and of Mrs. J. A. McNeerney, wife of Capt. Joseph A. McNeerney, OD, USA.

**HOPKINS** — Died at U. S. Soldiers Home Hospital, Washington, D. C., 7 June 1940, Maj. D. F. Hopkins, USA-Ret.

**LEWIS** — Died at San Mateo, Calif., 18 June 1940, Charles Tripler Lewis, 14 year old son of Maj. and Mrs. Warfield M. Lewis, Inf., USA, brother of Jane Ellen, Ruth Ann, Mary Elizabeth, and Judith, and Warfield M. Lewis, Jr.; grandson of Col. and Mrs. Edson A. Lewis, USA-Ret., and of the late Col. William H. Bertsch, USA, and Mrs. Bertsch; and nephew of Capt. William H. Bertsch, FA, USA.

**MCCLURE** — Died at San Francisco, Calif., 20 June 1940, Lt. Col. Charles W. McClure, USA-Ret., husband of Mrs. Della McClure, and father of Mrs. Justine Severson.

**MCCORMLEY** — Died at Walter Reed General Hospital, Washington, D. C., 26 June 1940, 2nd Lt. James W. McCormley, MAC, USA, husband of Mrs. Naomi McCormley and father of James W., Jr.

**McGUIRE** — Died at Presidio of San Francisco, Calif., 24 June 1940, Lt. Col. Edward C. McGuire, Cav., USA, husband of Mrs. Mary Katherine McGuire.

**MARBLE** — Died at Norwalk Hospital, Norwalk, Conn., 15 June 1940, Mrs. Isabel R. (Yardley) Marble, widow of Comdr. Frank Marble, USN.

**MILLER** — Died at Walter Reed General Hospital, 232 Washington, D. C., 25 June 1940, Mrs. Clare D. Miller, widow of Maj. John Miller, USA.

**MURPHY** — Died of heart attack, at Eugene, Ore., 29 June 1940, Col. Ernest Van D. Murphy, Inf., USA-Ret.

**PIERREPONT** — Died at Governors Island, N. Y., 14 June 1940, Mrs. Ernest Charles Pierrepont, mother of Mrs. Roma LaRoche, wife of Lt. Col. L. L. LaRoche, MC, USA, and of Mrs. Harriet Hudson, wife of Lt. Col. J. R. Hudson, MC, USA.

**SNIFFIN** — Died at Marine Barracks, Parris Island, S. C., 13 June 1940, Mrs. Elsie W. Sniffin, wife of Capt. Charles D. Sniffin, USMC-Ret.

**THOMPSON** — Died at Great Neck, L. I., N. Y., 21 June 1940, Brig. Gen. John T. Thompson, USA-Ret.

**WITSCH** — Died at Tripler General Hospital, Hickam Field, T. H., 22 May 1940, Mast Sgt. Henry A. Witsch, USA, husband of Mrs. Mae E. B. Witsch.

**WOOD** — Died in Philadelphia, Pa., 23 June 1940, in her 88th year, Louisa Emma Wood (nee Crossan), mother of Lt. Comdr. John E. Wood, (SC), USN, and grandmother of 2nd Lt. John E. Wood, Jr., CAC, USA.

## MEMORIALS at ARLINGTON

WE specialize in designing and erecting monuments for Arlington and other national cemeteries throughout the country. Our Arlington catalogue and service is yours without obligation.

Member of Assoc. of Army & Navy Stores  
**The J. F. Manning Co., Inc.**  
1728 Connecticut Ave. Washington, D. C.

## Births • Marriages • Deaths

(No charge for service notices in this column. Please notify promptly.)

## Born

**ARCHER** — Born at Columbia Hospital, Washington, D. C., 18 June 1940, to Lt. and Mrs. Stephen M. Archer, USN, a daughter, Cynthia Jean.

**BROWNLEE** — Born at Station Hospital, Ft. Monroe, Va., 13 June 1940, to Capt. and Mrs. Laurence H. Brownlee, CAC, USA, a daughter, Mershon Hillard Brownlee; granddaughter of Mrs. Percy M. Kessler, and the late Col. Kessler, USA, and of Mr. and Mrs. Raymond B. Brownlee.

**CAMP** — Born at Memorial Hospital, Niagara Falls, N. Y., 17 June 1940, to Maj. and Mrs. Pierce H. Camp, Inf., USA, a son, John Albert.

**EDSON** — Born at Mercy Hospital, San Diego, Calif., 16 May 1940, to Lt. Comdr. and Mrs. S. R. Edson, (SC), USN, a daughter, Alice.

**FRANKLIN** — Born at Emory Hospital, Atlanta, Ga., 14 June, to 1st Lt. and Mrs. John F. Franklin, Jr., Cav., USA, a son, John F. Franklin, III; grandson of Col. and Mrs. John F. Franklin, Inf., USA, and of Maj. and Mrs. Melvin S. Williamson, Cav., USA.

**GAUSTERLAND** — Born at Honolulu, T. H., 2 June 1940, to Lt. and Mrs. Clarence L. Gausterland, USN, a daughter, Mary Dee.

**HAYES** — Born at the Immanuel Hospital, Omaha, Neb., 13 June 1940, to Capt. and Mrs. Wayne A. Hayes, DC, USA, a daughter, Mary Jane.

**HENRY** — Born at Portsmouth Hospital, Portsmouth, N. H., 8 June 1940, to Lt. (jg) and Mrs. T. H. Henry, USN, a son, Thomas Henley Henry, Jr.

**HINE** — Born at West Point, N. Y., 9 June 1940, to 1st Lt. and Mrs. Daniel Light Hine, OD, USA, a son, Daniel Light Hine, Jr.

**INGMIRE** — Born at Station Hospital, Fort Bill, Okla., 14 June 1940, to 1st Lt. and Mrs. Edgar J. Ingmire, FA, USA, twin daughters, Margorie Jean and Frances Jean.

**KEYSER** — Born at Charleston Navy Yard, S. C., 17 June 1940, to Lt. (jg) and Mrs. Charles Hampson Keyser, USN, a son, Charles Hampson Keyser, Jr.

**MECKLENBURG** — Born at Long Beach, Calif., 26 May 1940, to Lt. (jg) and Mrs. Herman J. Mecklenburg, USN, a son, Theodor Anthony.

**MORSE** — Born at Emergency Hospital, Annapolis, Md., 5 June 1940, to Lt. and Mrs. John H. Morse, Jr., USN, a daughter.

**MOSTELLER** — Born at Station Hospital, Ft. Riley, Kan., 21 June 1940, to Capt. and Mrs. James W. Mosteller, Jr., CWS, USA, a son, James W. Mosteller, III; grandson of Col. and Mrs. John T. Aydelotte, MC, USA-Ret.

**REED** — Born at Kapiolani Hospital, Honolulu, T. H., 11 June 1940, to Lt. (jg) and Mrs.

David Owen Reed, USCG, a son, Daniel Louis.

**ROOK** — Born at Station Hospital, Ft. Sam Houston, Tex., 16 May 1940, to 2nd Lt. and Mrs. LeRoy H. Rook, QMC, USA, a son, Robert LeRoy.

**SMITH** — Born at Roanoke, Va., 10 June 1940, to Mr. and Mrs. Roy Campbell Smith III, a son, Douglas Gould; grandson of Mr. and Mrs. Charles Gould, and of Comdr. and Mrs. Roy C. Smith, Jr., USN, and great grandson of the late Capt. and Mrs. Roy C. Smith, and of Professor Philip P. Alger and Mrs. Alger.

**STEVENS** — Born at Naval Hospital, Portsmouth, Va., 14 June 1940, to Lt. (jg) and Mrs. John D. Stevens, USN, a daughter, Kathleen Brooke; granddaughter of Capt. and Mrs. L. M. Stevens, USN.

**WILLIAMSON** — Born at Station Hospital, Ft. Benning, Ga., 19 June 1940, to 1st Lt. and Mrs. John Williamson, Inf., USA, a son, Peter.

**WILMAN** — Born at Hahnemann Hospital, Worcester, Mass., 24 June 1940, to Mr. and Mrs. Damon Humphrey Wilman, a son, Damon Humphrey Wilman, Jr.; grandson of Col. and Mrs. Harvey H. Fletcher, Inf., USA.

## Married

**ABBEY-QUIRK** — Married at Washington, D. C., 15 June 1940, Miss Eleanor Katharine Quirk to 2nd Lt. Richard Sargent Abbey, AC, USA, son of Maj. and Mrs. Evers Abbey, AC, USA.

**BAKER-STENZEL** — Married at Cadet Chapel, West Point, N. Y., 16 June 1940, Miss Virginia Ann Stenzel to 2nd Lt. Alan G. Baker, USA.

**BERG-COLLINS** — Married at the Soldiers' Home, Washington, D. C., 15 June 1940, Miss Patricia Coyle Collins, daughter of Maj. and Mrs. Harry J. Collins, Inf., USA, to 2nd Lt. M. Griffith Berg, Inf., USA.

**BISWANGER-SWALM** — Married at Cadet Chapel, West Point, N. Y., 16 June 1940, Miss Jane Swalm to 2nd Lt. Charles T. Biswanger, CAC, USA.

**BONHAM-CHAMBERS** — Married at Cadet Chapel, West Point, N. Y., 13 June 1940, Miss Margaret Aline Chambers, daughter of Lt. Col. and Mrs. William E. Chambers, Inf., USA, to 2nd Lt. James Butler Bonham, Inf., USA.

**BOOKOUT-EBERHEART** — Married in Portsmouth, Va., 15 June 1940, Miss Peggy Clare Eberheart to Lt. (jg) A. B. Bookout, (MC), USN.

**BROWN-BOYD** — Married at the Post Chapel, Schofield Barracks, T. H., 12 June 1940, Miss Caroline Logan Boyd, daughter of Maj. and Mrs. Logan Woods Boyd, Inf., USA, to Ens. John Rousseau Brown, USN.

**BROWN-SHEDDEN** — Married in St. Mark's Episcopal Church, Mount Kisco, N. Y., 22

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### ARMY QUARTERMASTER SUPPLIES

#### Adding Machines

**ALLEN WALES ADDING MACHINE CORP.**  
444 Madison Avenue  
New York, N. Y.

*Gas Ranges; Electric Ranges; Gasoline Pressure Stoves; Gasoline Pressure Lanterns; Oil Burning Space Heaters*

**AMERICAN GAS MACHINE COMPANY, INC.**  
Albert Lea, Minnesota

*Amoco-Gas & Lubricants; American Gas; Diesel Lubricants*

**AMERICAN OIL COMPANY**  
Baltimore, Maryland

*Armco Galvanized PAINTGRIP Sheets; Armco Flat & Corrugated Galv. Sheets; Armco Stainless Steel Sheets; Armco High Tensile Sheets; Steelox Prefabricated Steel Bldgs.*

**THE AMERICAN ROLLING MILL COMPANY**  
Middletown, Ohio

*Spinners and Manufacturers of Cotton Threads for all purposes*

**AMERICAN THREAD COMPANY**  
200 West Broadway  
New York, N. Y.

*Billfolds; Key Cases; Travel Kits; Tobacco Pouches, and all small leather goods*

**AMITY LEATHER PRODUCTS COMPANY**  
West Bend, Wisconsin

*Manufacturers of Protective Chain Link and Iron Picket Fences*

**ANCHOR POST FENCE COMPANY**  
Eastern Ave. & Kane Street  
Baltimore, Maryland

*Cots, Folding; Cans, Meat; Shovels, Intrenching; Spoons; Tags, Identification; Pins, Tent, Shelter; Traps, Rat and Mouse*

**ANIMAL TRAP CO. OF AMERICA**  
Litz, Pa.

*STEEL—Nickel or chrom plated in sheets or strips; BRASS—Nickel or chrom plated in sheets or strips; ZINC—Nickel or chrom plated in sheets or strips; COPPER—Nickel or chrom plated in sheets or strips; TIN PLATE—Nickel or chrom plated in sheets*

**APOLLO METAL WORKS**  
6000 S. Oak Park Avenue  
Chicago, Illinois

*Corrugated metal pipe culverts, sewers, subdrains (6"—96"); MULTI PLATE small bridges (pipe 60"—180"; arches 5'—30"); Tunnels and underpasses (any size and shape); Trench sheeting (up to 18' and longer); Retaining walls (up to 30' in height)—any length and curve*

**ARMCO DRAINAGE PRODUCTS ASSOCIATION**  
(Member Companies throughout the U. S.)  
Middletown, Ohio

#### Refined Sugar

**L. W. & P. ARMSTRONG, INC.**  
99 Wall Street  
New York, N. Y.

*IMPERVO weatherproof cardboard signs, directional markers and displays; R-V-LITE Shatter-proof, flexible, weatherproof substitute for glass; Combining and laminating of fabrics, paper and other roll or sheet material; Eyeletting, wire stitching, stamping and diecutting, lacquer coating and pasting; Special hand assembling and hand finishing work of all kinds; Facilities available for contract or sub-contract*

**ARVEY CORPORATION**  
3402 North Kimball Avenue  
Chicago, Illinois

*Spiral Bevel Gears; Hypoid Bevel Gears; Flywheel Starter Gears; Axle Shafts; Propeller Shafts*

**AUTOMOTIVE GEAR WORKS, INC.**  
Richmond, Indiana

*Cigarettes—Twenty Grand; Spud (the original Menthol cooled cigarette); Smoking Tobacco—Mayfair, a free drawing blend of mild aromatic tobaccos*

**THE AXTON-FISHER TOBACCO COMPANY**  
1930 Maple Street  
Louisville, Kentucky

*Medals; Trophies; Regimental Insignia; Rings*

**L. G. BALFOUR COMPANY**  
Attleboro, Mass.

#### Woolen Cloth

**BERKELEY WOOLEN COMPANY**  
Martinsburg, West Virginia

#### Metal Stampings of all types

**BERNARDIN BOTTLE CAP CO., INC.**  
Evansville, Indiana

*Paints; Varnishes; Enamels and Lacquers*

**BERRY BROTHERS, INC.**  
211 Leib Street  
Detroit, Michigan

*Cold Finished Carbon and Alloy Steel bars to make parts for all kinds of Army and Navy equipment and munitions on Automatic Screw Machines*

**BLISS & LAUGHLIN, INC.**  
Harvey, Illinois

*Manufacturers of "Blodgett" Portable Bake Ovens*

**THE G. S. BLODGETT CO., INC.**  
53-59 Maple Street  
Burlington, Vermont

*Raisins; Dried Peaches; Dried Apricots; Dried Figs; Dried Currants*

**BONNER PACKING COMPANY**  
626 Brix Building  
Fresno, California

*Worsted Shirting, Serge, Elastique, Gabardine and Neckwear Fabrics*

**BOTANY WORSTED MILLS**  
Passaic, New Jersey

*Safety Equipment; Face Shields; Grinder & Inspection Shields; Safety Clothing; Vacuum Lifters*

**THE BOYER-CAMPBELL COMPANY**  
4540 Antoine Street  
Detroit, Michigan

*Rayon Linings; Cotton Linings; Pocketings; Silesias; Sleeve Linings; Cotton Canvas*

**BRAND & OPPENHEIMER, INC.**  
229 - 4th Avenue  
New York, N. Y.

*Oyster Knives; Ice Picks; Chippers; Cleavers*

**CHAS. D. BRIDDELL, INC.**  
Crisfield, Maryland

*Billiard & Bowling Equipment and Supplies; Bar Fixtures; Soda Fountains; Commercial Refrigerators; Whale-Bone-Ite Toilet Seats*

**THE BRUNSWICK-BALKE-COLLENDER CO.**  
423 South Wabash Ave.  
Chicago, Illinois

*Gas Boilers; Gas Furnaces; Gas Heaters; Sheet Metal Fabrications; Metal Stampings; Dehumidifiers*

**THE BRYANT HEATER COMPANY**  
17825 St. Clair Ave.  
Cleveland, Ohio

*Stamped Aluminum Cooking Utensils; Aluminum Cuspidors — wtd. bottom; Stamped Aluminum Shapes; Job work to order*

**THE BUCKEYE ALUMINUM COMPANY**  
Spruce Street  
Wooster, Ohio

*Saddlery Supplies; Excelsior; Upholstery Cotton; Cotton Tufts and Yarns; Burlap*

**F. BURKART MFG. COMPANY**  
4900 North Second Street  
St. Louis, Missouri

*Canned Brick-Oven Baked Beans; Pork and Beans; Brown Bread; Corn; Fish Flakes and other Canned Foods*

**BURNHAM & MORRILL COMPANY**  
Box 1871  
Portland, Maine

*Rail Steel Bars and Shapes; Axle Steel Bars and Shapes; Fence Posts; Reinforcing Bars; Structural Tubing*

**CALUMET STEEL DIVISION**  
Borg-Warner Corp.  
310 South Michigan Avenue  
Chicago, Illinois

*Millwork; Asphalt Roofing Products; Merchants Iron & Steel Products; Glass; Plywood*

**WM. CAMERON & CO., INC., WHOLESALE**  
24th & Mary St.  
Waco, Texas

*Cylinder Blocks & Heads of all types; Alloyed cast camshafts, centered, straightened & hardened; Crankshafts of all sizes in either highly alloyed Electric Furnace Proferal 3-X metal, or Proferal 4-X steel—heat-treated; Centrifugally cast wet and dry cylinder liners; Centrifuse brake drums; Special alloyed metals for heavier castings. Nine cupolas, seven electric furnaces 1000 tons daily capacity*

**CAMPBELL WYANT & CANNON FOUNDRY CO.**  
Muskegon, Michigan

*HIGHLAND BRAND 100% Pure Vermont Maple Sap Syrup for Table use*

**CARY MAPLE SUGAR COMPANY, INC.**  
St. Johnsbury, Vermont

*MOTOR SERVICING EQUIPMENT Valve Facing Machines; Valve Seat Grinders; Valve Seat Replacement Tools; Cylinder Boring Machines; Main Bearing Line Boring Machines; "Cam" or "Round" Piston Grinders; Torque Indicating Wrenches; Other related items*

**CEDAR RAPIDS ENGINEERING COMPANY OF DELAWARE**  
Cedar Rapids, Iowa

*NUHUB Cast Iron Soil Pipe & Fittings; F. & W. Revent & Drainage Fittings; Essex Steam & Drainage Fittings; Solus Oil & Gasoline Separator; Universal Cast Iron Pipe & Fittings*

**THE CENTRAL FOUNDRY COMPANY**  
386 Fourth Avenue  
New York, N. Y.

#### Drop Forgings

**THE CHAMPION MACHINE & FORGING CO.**  
3695 East 78th Street  
Cleveland, Ohio

#### Shoe Repair Machinery & Supplies

**CHAMPION SHOE MACHINERY COMPANY**  
3711 Forest Park Ave.  
St. Louis, Missouri

*Oil Burners—Pressure Type; Oil Burners—Gravity Type; Warm Air Furnaces for Coal & Oil; Warm Air Room Heaters for Coal & Oil; Prefabricated Forced Air Duct & Fittings; Farm Pumps—Hand, Windmill and Electric; Furnace Blowers*

**CHANDLER COMPANY**  
Cedar Rapids, Iowa

*All types of wooden packages and crates, including Wirebound, Plywood and regular Nailed Boxes, both made up and K. D.*

**CHICAGO MILL AND LUMBER COMPANY**  
111 West Washington St.  
Chicago, Illinois

*Mechanical Leather Products; Oil Seals; Leather Belting; Belt Lacing; Rawhide Mallets and Hammers*

**CHICAGO RAWHIDE MANUFACTURING CO.**  
1301 Elston Avenue  
Chicago, Ill.

*Truck Rims for pneumatic tires. Welded Gear Ring Forgings. Special shaped welded Rings. Welded tube products. Complete line of bicycles.*

**THE CLEVELAND WELDING COMPANY**  
Cleveland, Ohio

#### Bituminous Coal

**CONSOLIDATION COAL COMPANY**  
30 Rockefeller Plaza  
New York, N. Y.

*WOOD STAVE PIPE for Domestic supply, Sewers and Drainage. Creosoted and Untreated. WOODEN WATER TANKS for Water Storage or Industrial Purposes*

**CONTINENTAL PIPE MFG. CO., INC.**  
3904 Woolworth Bldg.  
New York, N. Y.

*Wood Turnings—Handles, Plugs, Spindles*

**R. F. COOKE MANUFACTURING CO.**  
Orange, Mass.

*Manufacturers of Domestic Ice Refrigerators; Commercial Ice Refrigerators; Bottle Coolers; Ice Chests*

**THE COOLERATOR COMPANY**  
Duluth, Minnesota

*Rubber Cloth; Upholstery Material; Leather Cloth; Pyroxylin Cloth*

**COTAN CORPORATION**  
341 Oliver St.  
Newark, N. J.

*Lime; Lime Rock (Road Material); and Concrete Units*

**CUMMER LIME & MFG. CO.**  
Ocala, Florida

*Energine Cleaning Fluid; Energine Shot White; Energine Lighter Fluid; Energine Window Cleaner; Diamond Tints and Dyes*

**THE CUMMER PRODUCTS COMPANY**  
Bedford, Ohio

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Army Quartermaster Supplies (Continued from Page 1080)

**NO-OX-ID Rust Preventives; Boiler Water Treatment; Diesel Cooling Water Treatment**

**DEARBORN CHEMICAL COMPANY**  
310 S. Michigan Ave.  
Chicago, Illinois

#### Suppliers of Textile Products

**DEERING MILLIKEN & COMPANY**  
Church & Leonard Sts.  
New York, N. Y.

**Fibre Rugs; Low Priced Floor Covering**

**DELTOX RUG COMPANY**  
25 Wisconsin Ave.  
Oshkosh, Wisconsin

**Sewer Pipe; Drain Tile; Coping, Wall; Drainage Pipe; Flue Lining**

**W. S. DICKEY CLAY MFG. CO.**  
Kansas City, Missouri  
Also: W. S. Dickey Clay Mfg. Co.  
Birmingham, Alabama  
W. S. Dickey Clay Mfg. Co.  
Chattanooga, Tennessee  
W. S. Dickey Clay Mfg. Co.  
Texarkana, Tex.-Ark.  
W. S. Dickey Clay Mfg. Co.  
San Antonio, Texas

**Ditto Gelatine & Liquid Duplicators; Ditto Rolls & Films; Ditto Inks; Ditto Pencils; Ditto Ribbons; Ditto Carbon; Ditto Paper**

**DITTO, INC.**  
2243 W. Jackson Blvd.  
Chicago, Illinois

**BRUSHES, Bristle & Wire for industrial purposes; FILES, Precision, Swiss pattern; Dental Tools & Supplies; Jewelers' Tools & Supplies; Opticians' Tools & Supplies**

**WILLIAM DIXON, INCORPORATED**  
32-36 E. Kinney Street  
Newark, N. J.

**Manufacturers and Distributors of Sheet, Tube, Pipe, Wire, Rod, Brass, Copper, Bronze**

**DOWNS-SMITH BRASS & COPPER CO., INC.**  
304-320 East 45th St.  
New York, N. Y.

#### Wool Tops

**DRAPER TOP COMPANY**  
419 Summer Street  
Boston, Mass.

**BRAKES, Sheet Metal Bendin-; BRAKES, Hand & Power; BRAKES, Press; DIES, Press Brake; MACHINERY, Sheet Metal Working**

**DREIS & KRUMP MFG. CO.**  
74th & Loomis Streets  
Chicago, Illinois

**Upholstery & Drapery Fabrics and supplies; Window Shades; Venetian Blinds; Awnings, Ducks, Drills, etc.**

**ANDREW DUTTON COMPANY**  
60 Canal Street  
Boston, Mass.

**Sole Leather; Bends; Taps; Strap Leather**

**EBERLE TANNING COMPANY**  
Westfield, Pa.

**Folding Wood Boxes for Commissary**

**JOHN G. ELBS, INC.**  
1037 Jay St.  
Rochester, N. Y.

**Paint Spraying Equipment; Spray Guns; Air Compressors; Insecticide Sprayers; Floor Sanders**

**THE ELECTRIC SPRAYIT CO.**  
Sheboygan, Wisconsin

**Valves; Unions; Hand Trucks; Wheelbarrows; Rubber Tired Wheels**

**THE FAIRBANKS COMPANY**  
393 Lafayette St.  
New York, N. Y.

**WOOD STAVE PIPE for Domestic Supply, Sewers and Drainage. Creosoted and Untreated. WOODEN WATER TANKS for Water Storage or Industrial purposes**

**FEDERAL PIPE AND TANK COMPANY**  
6851 E. Marginal Way  
Seattle, Wash.

**Fibre Tool Cases; Fibre Repairmen Cases; Fibre Film Cases; Fibre Shipping Cases; Fibre Cases for Every Purpose**

**FIBRE CASE & NOVELTY CO., INC.**  
44 East 20th Street  
New York, N. Y.

**Refrigerated Display Cases; Walk-in Boxes; Milk Cabinets, etc.; Sheet Metal Products**

**FLEETWOOD CRAFTSMEN, INC.**  
Fleetwood, Pennsylvania

**Silver Slice Grapefruit, Canned; Silver Nip Grapefruit Juice; Golden Nip Orange Juice**

**FLORIDA FRUIT CANNERS, INC.**  
Frostproof, Florida

**Box making machinery and packing house equipment**

**FOOD MACHINERY CORP.**  
Riverside Division  
3075 12th Street  
Riverside, California

**Paperboard; Folding Cartons; Corrugated Containers; Solid Fibre Containers**

**ROBERT GAIR COMPANY, INC.**  
155 East 44th Street  
New York, N. Y.

**Aircraft Wire—Power & Lighting Systems; Aircraft Wire—Communication Systems; Battery Chargers; Cable, Shipboard; Cable, Motor lead; Rectifier bulbs, (Tungar); Rectifiers, Copper Oxide; Rectifiers, Bulb-type (Tungar); Wire, Magnet; Wire, Fire-proof insulated**

**GENERAL ELECTRIC COMPANY**  
Appliance & Merchandise Dept.  
Bridgeport, Connecticut

**Name Plates; Dials; Scales; Metal Products—Etched & Lithographed**

**GENERAL ETCHING & MFG. CO.**  
3070-3082 West Grand Ave.  
Chicago, Illinois

**GRIGGS, COOPER & COMPANY**  
St. Paul, Minn.

**Here are manufactured or packed one of the largest variety of food products of any organization in the United States. They include: Crackers and cookies, candy, jelly powder, baking powder, extracts, beverage base, pancake and buckwheat flour, maple syrup, corn syrup, molasses and sorghum, peanut butter, jam and preserves, marmalade, jelly and mincemeat. Coffee, tea, spices, olives and pickles, vinegar, mayonnaise and salad dressing, olive oil, bluing, ammonia and cake mixture**

**We also carry a complete stock of jobbing items and kindred grocery products, as well as liquor**

**Blue Print Filing Cabinets; Steel & Wood Drawing Tables; Steel & Wood Medical Furniture; Dental Cabinets; Laboratory Furniture**

**HAMILTON MANUFACTURING COMPANY**  
Two Rivers, Wisconsin

**Coffee**

**HARD & RAND, INC.**  
107 Wall Street  
New York, N. Y.

**Wooden Boxes; Veneer Boxes; Building Material; Hardwoods; Yellow Pine and White Pine Lumber**

**HUTTON & BOURBONNAIS CO.**  
Hickory, N. C.

**Frames; Sash; Doors; Trim; Panelwork**

**HYDE-MURPHY COMPANY**  
222 Race Street  
Ridgway, Pa.

**Flint Abrasives; FLINTBRASIVE (Air Blasting Abrasive); Tripoli (Silica); Limestone (Calcium); Dolomite**

**INDEPENDENT GRAVEL COMPANY**  
P. O. Box 825  
Joplin, Missouri

**Tractors; Power Units; Motor Trucks**  
**INTERNATIONAL HARVESTER CO.**  
180 North Michigan Ave.  
Chicago, Ill.

**Rubber Heels; Rubber Soles; Rubber Composition Sheets; Rubber Cement & Rubber Heel Nails**

**THE I. T. S. COMPANY**  
Maple Street, Box 100  
Elyria, Ohio

**Gasoline; Kerosene; Diesel Fuel Oil; Bunker "C" Fuel Oil; Lubricating Oils**

**JOHNSON OIL REFINING COMPANY**  
20 North Wacker Drive  
Chicago, Illinois

**Clothing Tickets and Labels of all descriptions for uniforms**

**KELLER PRINTING COMPANY**  
297 Lafayette St.  
New York, N. Y.

**Metal and Wood Laboratory Furniture and Equipment for Every Research, Educational and Industrial use**

**KEWAUNEE MANUFACTURING CO.**  
Kewaunee, Wisconsin

**Power Shovels—Skimmer Type; Trenches; Cranes; Draglines—Capacities 1 yd. to 1 1/4 yd.; Water, Oil Well and Blast Hole Drilling Machines and Tools**

**KEYSTONE DRILLER COMPANY**  
Beaver Falls, Pa.

**Listerine Antiseptic; Listerine Toothpaste; Listerine Shaving Cream**

**LAMBERT PHARMACAL COMPANY**  
2117 Franklin Avenue  
St. Louis, Mo.

**Furnaces—Resident; Barrack Type Heaters; Furnace Repairs; Heater Repairs; Air Conditioning Equipment**

**LENNOX FURNACE COMPANY**  
Marshalltown, Iowa

**Woven-Elm-and-Wire Shipping Box (Officers Duffel Box)**

**G. B. LEWIS COMPANY**  
Watertown, Wisconsin

**Cromium Furniture; Metal Outdoor Furniture; Fibre Furniture; Upholstered Furniture**

**THE LLOYD MANUFACTURING CO.**  
Menominee, Michigan

**Untreated and Treated Pine and Fir Lumber; Untreated and Treated Poles; Untreated and Treated Piling; Untreated and Treated Posts; Untreated and Treated Ties**

**THE LONG-BELL LUMBER COMPANY**  
R. A. Long Bldg.,  
Kansas City, Mo.

**Wood Desks, Tables & Household Furniture**

**LYCOMING FURNITURE INDUSTRIES**

1201 West 3rd Street  
Williamsport, Pa.

#### Hoists

**McCOLLUM HOIST & MFG. CO.**  
Downers Grove, Ill.

**Dentifrice; Shaving Cream; Analgesic; Insecticides; Disinfectants; Tri-sodium Phosphate; Mosquito Repellent**

**McCONNON & COMPANY**  
Winona, Minnesota

**Chains, Automobile Tire; Chains, Marine; Chains, welded & weldless; Electrodes; Arc Welding Electrodes, Mild Steel, Stainless**

**THE McKAY COMPANY**  
Grantley Road  
York, Pa.

**Fresh Water Pearl Buttons for Underwear, Shirts, Pants**

**McKEE BUTTON COMPANY**  
1000 Hershey Ave.  
Muscatine, Iowa

**Marsh Wheeling Stogies; Marsh Wheeling Chewing Tobacco; Dry Slitz Stogies**

**M. MARSH & SON, INC.**  
915 Market Street  
Wheeling, West Virginia

**WISE STANDS—For cutting, threading and bending pipe or conduit**

**H. P. MARTIN & SONS**  
12th & Elm Streets  
Owensboro, Ky.

**Designers, Fabricators, & Erectors of Standard Metal Buildings**

**MARYLAND METAL BUILDING CO.**  
Race & McComas Sts.  
Baltimore, Maryland

**Machined Wood Parts; Office & Field Furniture; Wall Board & House Sections; Hardwood Plywood & Lumber; Corrugated Paper & Wood Boxes**

**THE MENGEL COMPANY**  
Louisville, Ky.

**Mentholatum Ointment; Mentholatum Brushless Shave**

**THE MENTHOLATUM COMPANY**  
Foot of West Street  
Wilmington, Delaware

**Mouldings made from all type metals. Atomic hydrogen welded alloy tubing**

**METAL FORMING CORPORATION**  
Elkhart, Indiana

**Oxy-Acetylene Welding and Cutting Torches; Welding & Cutting Eqpt.; Paint Spray Eqpt.; Gas Regulators; Portable Carbide Lights**

**THE ALEXANDER MILBURN COMPANY**  
1416-28 W. Baltimore St.  
Baltimore, Md.

#### Cotton Goods

**MILLS MILL**  
Greenville, South Carolina

**Building Materials; Millwork; Insulation; Paint; Hardware**

**MONARCH LUMBER COMPANY**  
General Office  
Great Falls, Montana

**Price Marking Machines; Pin Tickets; String Tags; Gummed Labels**

**MONARCH MARKING SYSTEM CO.**  
216 S. Torrence St.,  
Dayton, Ohio

**Cotton Bedspreads—Dimities, Crochets, Piques, Satins, and Berth Spreads**

**MONUMENT MILLS**  
Housatonic, Mass.

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Army Quartermaster Supplies (Continued from Page 1081)

#### Clothing Buttons

**MORLEY BUTTON MFG. CO.**  
865 Islington St.  
Portsmouth, N. H.

*Burglar-Proof Vaults & Doors; Safe Deposit Boxes; Lockers; Burglary-Resistive Money Chests; Fire-Resistive Safes; Fire-Resistive Vault Doors; Insulated Letter & Legal Cap File Containers; Safe Repairs; Combination Locks; Time Locks; Safe Deposit Key Locks; Prison Locks*

**THE MOSLER SAFE COMPANY**  
Hamilton, Ohio

*Malleable Iron Castings—All Kinds; Patterns*

**MUNCIE MALLEABLE FOUNDRY CO.**  
Muncie, Indiana

*Smoking Stands; Ash-trays; Pulleys, V-Belt, 1-groove, pressed steel*

**THE NAGEL-CHASE MFG. CO.**  
2811-23 N. Ashland Ave.  
Chicago, Illinois

*Sewing Machines; Screw Mach. Products; Taper Pins; Grey Iron Cstgs.; Special Machines to specifications*

**NATIONAL SEWING MACHINE CO.**  
Belvidere, Ill.

*Jack Frost Package Sugars; National Sugars in Bulk; Krist-O-Kleer Syrups*

**THE NATIONAL SUGAR REFINING CO.**  
129 Front Street  
New York, N. Y.

*Diesel Engines—Stationary & Marine*

**THE NATIONAL SUPPLY CO.**  
Superior Engine Division  
Springfield, Ohio

*Wooden Boxes Shooks or Assembled; Lock Corner Boxes; Wirebound Boxes; Cleated Plywood Boxes; Special Designs*

**THE NEW ENGLAND BOX COMPANY**  
100 East 42nd Street  
New York, N. Y.

*Crushed Stone; Rip Rap; Agricultural Limestone*

**NEW YORK TRAP ROCK CORP.**  
230 Park Ave.  
New York, N. Y.

*O-CEDAR Polishes, Mops, Waxes, Dusters, Cleaners and Fly and Moth Spray*

**O-CEDAR CORPORATION**  
4501 South Western Blvd.  
Chicago, Illinois

*Dyers, Finishers and Waterproofers of Cotton Duck and Drill up to 72"*

**OHIO FALLS DYE & FINISHING WORKS**  
P. O. Box 566  
Louisville, Kentucky

*Special Wood parts; Wood turnings; Wood mouldings; Wood carvings; Intricate or artistic machining in wood*

**S. E. OVERTON COMPANY**  
1000 Indiana Avenue  
South Haven, Michigan

#### Brush Manufacturers

**OX FIBRE BRUSH COMPANY, INC.**  
Frederick, Maryland

#### Lumber

**OZAN LUMBER COMPANY**  
Prescott, Arkansas

*Automotive Cable; Aircraft Cable; Types S and SJ Portable Cord; Portable Wire Strippers; Wiring Harnesses*

**PACKARD ELECTRIC DIVISION**  
General Motors Corporation  
Warren, Ohio

*School Desks and Tables; Opera Chairs; Portable Assembly Chairs; Folding Chairs*

**THE PEABODY SEATING COMPANY**  
North Manchester, Indiana

*Tubing, Flexible Metal; Hose, Flexible Metal; Exhaust Pipes, Flexible Metal; Rivet Passers, Pneumatic; Barrel Fillers, Automatic*

**PENNSYLVANIA FLEXIBLE METAL-LIC TUBING CO.**  
72nd & Powers Lane  
Philadelphia, Pa.

*Van Heusen Shirts; Van Heusen Pajamas; Van Heusen Neckwear; Van Heusen Collars*

**PHILLIPS-JONES CORPORATION**  
1225 Broadway  
New York, N. Y.

*Boxes, Chests and Instrument Cases*

**THE PILLIOD CABINET COMPANY**  
Swanton, Ohio

*Pickles & Relishes*

**PIN MONEY BRANDS, INC.**  
1500 West Marshall St.  
Richmond, Va.

*Tight Wooden Kegs & Barrels; Wooden Water Coolers; Railroad Water Kegs; Harvest Kegs; Wooden Well Buckets*

**PIONEER COOPERAGE COMPANY**  
2212 De Kalb St.  
St. Louis, Mo.

*Lumber & Lumber Products; Dimension Hardwood; Wood Turnings; Tent Stakes, Etc.*

**THE PIQUA MUNISING WOOD PRODUCTS CO.**  
1439 Union Commerce Bldg.  
Cleveland, Ohio

*Prince Macaroni & Egg Noodle Products; Prince Tomatoes; Prince Tomato Paste; Prince Noodle Soup; Prince Noodle Dinner*

**PRINCE MACARONI MFG. CO.**  
Lowell and Boston, Mass.

*Prophylactic Tooth Brushes*

**PROPHYLACTIC BRUSH COMPANY**  
Florence, Mass.

*Chlorinators; Chemical Feeders*

**%PROPORTIONEERS%, INC.**  
1108 Westminster Street  
Providence, Rhode Island

*Paint Brushes; Varnish Brushes; Kalsomine Brushes*

**J. C. PUSHEE & SONS**  
700 Harrison Avenue  
Boston, Mass.

*Special, Extra Heavy Paper Bags, Waterproofed and otherwise for such commodities as Cement, Gypsum, Lime, Plaster, Sand, Dry Chemicals, Fertilizer and various other products*

**THE RAYMOND BAG COMPANY**  
Middletown, Ohio

*Bakery Equipment, Mixers, Ovens, Flour Handling Equipment, Etc.*

**READ MACHINERY CO., INC.**  
York, Pennsylvania

*Sash, Doors, Frames and Millwork. Woodwork of special and miscellaneous character*

**ROACH & MUSSER COMPANY**  
Muscatine, Iowa

*Apples; Pure Apple Cider Vinegar; Apple Sauce; Apple Butter*

**ROANOKE APPLE PRODUCTS COMPANY**  
316 So. Jefferson St.  
Roanoke, Virginia

*Quality Gas Ranges; Quality Electric Ranges*

**ROBERTS & MANDER STOVE COMPANY**  
237 Jacksonville Road  
Hatboro, Pennsylvania

*Asbestos Protected Metal; Cellular Steel Floor; Ventilators (roof); Skylights (weatherproof)*

**H. H. ROBERTSON COMPANY**  
2400 Farmers Bank Bldg.  
Pittsburgh, Pa.

*Belt Conveyors; Bucket Elevators; Screens, Vibrating; Grab Buckets; Hoisting Equipment*

**ROBINS CONVEYING BELT COMPANY**  
270 Passaic Ave.  
Passaic, N. J.

*Canned Vegetables*

**W. E. ROBINSON & CO., INC.**  
Belair, Maryland

*Blue Ribbon Playing Cards; Battle Axe Playing Cards; Torpedo Playing Cards; Gladstone Playing Cards; Arden Playing Cards*

**RUSSELL PLAYING CARD CO., INC.**  
200 5th Avenue  
New York, N. Y.

*Railroad Freight Cars; Railroad Passenger Cars; Military Tanks; Trackless Trolley Coaches; Electric Surface Subway and Elevated Cars*

**ST. LOUIS CAR COMPANY**  
8000 North Broadway  
St. Louis, Mo.

*Barrels and Kegs for Food Products and Chemicals; Water Keg & Barrels; Water Coolers*

**ST. LOUIS COOPERAGE COMPANY**  
101 Arsenal Street  
St. Louis, Mo.

*Shirts and Pants*

**SALANT & SALANT, INC.**  
50 Worth Street  
New York, N. Y.

*Vegetable Wonder Soap; Salve; Liniment; Shaving Cream; Tooth Paste; Tooth Powder; Talcum Powder; Brilliantine*

**T. M. SAYMAN PRODUCTS CO.**  
2101 Locust  
St. Louis, Mo.

*CANDY*

**W. F. SCHRAFFT & SONS, CORP.**  
Sullivan Square  
Charlestown, Boston, Mass.

*Spring Wheat Flour; Winter Wheat Flour; Corn Meal, yellow & white; Commercial Feeds*

**SCHULTZ, BAUMAN, & CO., INC.**  
Beardstown, Illinois

*Sellers Kitchen Furniture; Kitchen Cabinets; Breakfast Sets; Kitchen Tables; Base Cabinets*

**G. I. SELLERS & SONS CO.**  
Elwood, Indiana

*Pine Lumber; Box Shook; Presto Logs*

**SETZER BOX COMPANY**  
2570 3rd Street  
Sacramento, Calif.

*Concrete Sewer & Culvert Pipe; Cast Stone; Concrete Building Units*

**SHEARMAN CONCRETE PIPE COMPANY**  
Little Rock, Dallas, Oklahoma City, Tulsa.

*Lathes; Milling Machines*

**THE SIDNEY MACHINE TOOL CO.**  
Sidney, Ohio

*Officers' Dress & Service Shoes, SYNCHRO-FLEX CONSTRUCTION. Smartly styled sturdy shoes, but so flexible you can bend them double in one hand. The greatest advance in fine shoemaking in 50 years. Catalog on request*

**J. P. SMITH SHOE COMPANY**  
Sangamon & Huron Streets  
Chicago, Illinois

*Manufacturers of Food Products*

**SPRAGUE, WARNER & COMPANY**  
600 West Erie Street  
Chicago, Illinois

*Cutting Tables; Work Benches; Cloth Spreading Machines, and other items for cutting cloth*

**LAWRENCE M. STEIN COMPANY**  
815 W. Van Buren Street  
Chicago, Illinois

*Marvels*

**STEPHANO BROTHERS**  
1014-20 Walnut Street  
Philadelphia, Pa.

*Spices & Mustard Flour*

**STICKNEY & POOR SPICE COMPANY**  
P. O. Box 2333  
Boston, Mass.

*Common Brick; Face Brick; Acid Resistant Brick; Floor Brick; Special Brick*

**STREATOR BRICK COMPANY**  
Streator, Illinois

*Pup Tent Poles; Pup Tent Pins*

**STROMBECK-BECKER MFG. CO.**  
Moline, Illinois

*KING EDWARD, 2 for 5c CIGARS*

**JNO. H. SWISHER & SON, INC.**  
16th & Ionla Sts.,  
Jacksonville, Florida

*Front and rear driving axles; transfer-cases; pintle hooks; tow hooks; brakes—air and hydraulic; oil burners; forgings*

**THE TIMKEN-DETROIT AXLE CO.**  
100-400 Clark Avenue  
Detroit, Michigan

*Cast Iron Castings; Aluminum, Brass Castings; Machine Shop; Heavy Machines made to order; Steel machined accurately*

**TURNER MFG. COMPANY**  
Meeting Street  
Statesville, N. C.

*Cotton Wadding & Batting; Cotton Wadding for Bandages in Rolls Cut to Size; Colored Wadding for use as padding in Uniforms; and, Cotton Wadding and Cotton Batting for Hospital use*

**UNION WADDING COMPANY**  
Pawtucket, R. I.

*Stoves; Ranges; Heaters; Grey Iron Castings*

**UNITED STATES STOVE COMPANY**  
South Pittsburg, Tennessee

*Buttons, and Fasteners, and Metal parts, and Automatic machines supplied on least for attaching buttons & fasteners*

**UNIVERSAL BUTTON FASTENING AND BUTTON COMPANY**  
2250 Fort St., West,  
Detroit, Michigan

*Pine and Hardwood; Lumber and Timbers*

**THE URANIA LUMBER CO., LTD.**  
Urania, La.

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Army Quartermaster Supplies (Continued from Page 1082)

Disinfectants; Insecticides; Deodorants (Solid or Liquid); Soap Dispensers; Liquid or Powder Soap (Liquid, Powdered or Soft)

**U. S. SANITARY SPECIALTIES CORP.**  
435 S. Western Avenue  
Chicago, Illinois

Meat Slicers; Bread Slicers; Roll Slicers; Meat Tenderizers

**U. S. SLICING MACHINE COMPANY**  
La Porte, Indiana

Evaporated Milk

**ELAN CAMP MILK COMPANY**  
Fort Wayne, Indiana

Woolen Cloth

**VIRGINIA WOOLEN COMPANY**  
Box 601  
Winchester, Virginia

Enameled Steel; Stainless Steel and Cast Iron Ware

**THE VOLLRATH COMPANY**  
Sheboygan, Wisconsin

Portland Cement

**VOLUNTEER PORTLAND CEMENT COMPANY**  
P. O. Box 1190  
Knoxville, Tennessee

Wood Lasts and Heels for Shoes

**VULCAN CORPORATION**  
Portsmouth, Ohio

Manufacturers of Tapes, Bindings and Narrow Fabrics

**WILLIAM D. WEIMAR, Successor to Weimar Brothers**  
296-48 Amber Street  
Philadelphia, Pa.

Disinfectants; Powdered Hand Soap; Floor Maintenance Materials; Insecticides and Paper Towels

**WEST DISINFECTING COMPANY**  
12-16 West Street  
Long Island City, N. Y.

Trailers; Structural Steel; Welded gratings; Welded Machine Bases; Containers; Skids; Steel (welded); Boxes (steel)

**WHITEHEAD & KALES COMPANY**  
Detroit (River Rouge), Michigan

Hair Brushes; Military Brushes; Shaving Brushes; Hand Scrub Brushes

**WHITING-ADAMS COMPANY, INC.**  
700 Harrison Avenue  
Boston, Mass.

Shoe Polish; Khaki Dressing; Army Tan Leather Cream

**WHITEMORE BROS. CORP.**  
6 Albany Street  
Cambridge, Mass.

Cotton Blankets; Cotton Bath Robe Cloth; Other textiles, of cotton and/or rayon, some mixed with wool

**WHITTENTON MANUFACTURING CO., INC.**  
Taunton, Mass.

Men's knit underwear, shirts and drawers; Men's union suits; Men's sportswear; Polo Shirts; Baseball Shirts

**WRIGHT'S UNDERWEAR CO., INC.**  
245 Broadway  
New York, N. Y.

### ARMY ORDNANCE AND CHEMICAL WARFARE

Malleable Iron Castings

**ALBION MALLEABLE IRON COMPANY**  
Albion, Michigan

Stainless Steel; Tool Steel; Electrical Steel; Carbon Strip Steel; Armor Plate

**ALLEGHENY LUDLUM STEEL CORPORATION**  
2319 Oliver Building  
Pittsburgh, Pa.

Gas Meters All Types; Gas Pressure Regulators; Orifice Flowmeters All Types

**AMERICAN METER COMPANY**  
General Office  
60 East 42nd Street  
New York, N. Y.

Spinners and Manufacturers of Cotton Threads for all purposes

**AMERICAN THREAD COMPANY**  
200 West Broadway  
New York, N. Y.

Manufacturers of Protective Chain Link and Iron Picket Fences

**ANCHOR POST FENCE COMPANY**  
Eastern Avenue & Kane Street  
Baltimore, Maryland

Stampings, Metal, small

**ANIMAL TRAP COMPANY OF AMERICA**  
Littitz, Pa.

**STEEL**—Nickel or chrom plated in sheets or strips; **BRASS**—Nickel or chrom plated in sheets or strips; **ZINC**—Nickel or chrom plated in sheets or strips; **COPPER**—Nickel or chrom plated in sheets or strips; **TIN PLATE**—Nickel or chrom plated in sheets

**APOLLO METAL WORKS**  
6900 S. Oak Park Avenue  
Chicago, Illinois

**IMPERVO** weatherproof cardboard signs, directional markers and displays; **R-V-LITE** Shatter-proof, flexible, weatherproof substitute for glass; Combining and laminating of fabrics, paper and other roll or sheet material; Eyeletting, wire stitching, stamping and diecutting, lacquer coating and pasting; Special hand assembling and hand finishing work of all kinds; Facilities available for contract or sub-contract

**ARVEY CORPORATION**  
3492 North Kimball Avenue  
Chicago, Illinois

Bumpers; Bushings; Grommets; Extrusions; Tubings

**ATLANTIC INDIA RUBBER WORKS, INC.**  
1453 West Van Buren St.  
Chicago, Illinois

Spiral Bevel Gears; Hypoid Bevel Gears; Flywheel Starter Gears; Axle Shafts; Propeller Shafts

**AUTOMOTIVE GEAR WORKS, INC.**  
Richmond, Indiana

Upright Drilling Machines; Gang and Rotating Table Drilling Machines; Honing Machines, Vertical & Horizontal; Combined Boring & Honing Machines for reconditioning cylinders, etc.

**BARNES DRILL COMPANY**  
814 Chestnut Street  
Rockford, Illinois

Power Driven Pipe Threading & Cutting Machines; Rolling Pipe Cutters; Die Grinders; Thread Cutting Machines

**BIGNALL & KEELER MACHINE WORKS**  
Edwardsville, Illinois

Platinum Laboratory Apparatus; Stainless Steel Tubing, small; Stainless Steel Hypodermic Needles

**J. BISHOP & COMPANY PLATINUM WORKS**  
12 Channing Avenue  
Malvern, Pennsylvania

Paper Mill Machinery; Pulp Mill Machinery; Jordans for Gun Cotton, etc.; Special Heavy Tools, etc.

**THE BLACK-CLAWSON COMPANY**  
Hamilton, Ohio

Power Presses; Hydraulic Presses; High-speed Automatic Presses; Other Metal Working Equipment for Cases, Masks, Fuse Parts, Bombs, Planes, Tanks; etc.

**E. W. BLISS COMPANY**  
53rd Street & 2nd Avenue  
Brooklyn, New York

Cold Finished Carbon and Alloy Steel bars to make parts for all kinds of Army and Navy equipment and munitions on Automatic Screw Machines

**BLISS & LAUGHLIN, INC.**  
Harvey, Illinois

**BEARINGS**, oil-less, self lubricating; **COMPO OIL RETAINING POROUS BRONZE** Bearings; **BOUND BROOK GRAPHITED BRONZE** Bearings; **NIGRUM IMPREGNATED HARD-WOOD** Bearings; Also—Brass and Bronze Castings

**BOUND BROOK OIL-LESS BEARING COMPANY**  
Bound Brook, New Jersey

Safety Equipment; Face Shields; Grinder & Inspection Shields; Safety Clothing; Vacuum Lifters

**THE BOYER-CAMPBELL COMPANY**  
6540 Antoine Street  
Detroit, Michigan

Fire Control Apparatus; Flexible Shafting; Armor Plate; Gun Carriages and Tanks; Ammunition Rounds Counter

**BREEZE CORPORATIONS, INC.**  
24 South Sixth Street  
Newark, New Jersey

Gas Boilers; Gas Furnaces; Gas Heaters; Sheet Metal Fabrications; Metal Stampings; Dehumidifiers

**THE BRYANT HEATER COMPANY**  
17825 St. Clair Avenue  
Cleveland, Ohio

Excelsior; Burlap; Cotton Batts; Saddlery Supplies; Cotton Tufts and Yarns

**F. BURKART MFG. CO.**  
4900 North Second Street  
St. Louis, Missouri

Tungsten, Tantalum, Titanium Carbides; Dressers—Grinding Wheel—Diamond Impregnated Carbide; Drawing Dies—Cemented Carbide; Tools—Lathe, Planer, Shaper, etc., Cemented Carbide; Cutters—Milling, Boring, Reaming, etc., Cemented Carbide

**CARBOLOY COMPANY, INC.**  
Detroit, Michigan

**MOTOR SERVICING EQUIPMENT** Valve Facing Machines; Valve Seat Grinders; Valve Seat Replacement Tools; Cylinder Boring Machines; Main Bearing Line Boring Machines; "Cam" or "Round" Piston Grinders; Torque Indicating Wrenches; Other related items

**CEDAR RAPIDS ENGINEERING COMPANY OF DELAWARE**  
Cedar Rapids, Iowa

Drop Forgings

**THE CHAMPION MACHINE & FORGING CO.**  
3805 East 78th Street  
Cleveland, Ohio

All types of wooden packages and crates, including Wirebound, Plywood and regular Nailed Boxes, both made up and K.D.

**CHICAGO MILL AND LUMBER COMPANY**  
111 West Washington St.  
Chicago, Illinois

Mechanical Leather Products; Oil Seals; Leather Belting; Belt Lacing; Rawhide Mallets and Hammers

**CHICAGO RAWHIDE MANUFACTURING CO.**  
1301 Elston Avenue  
Chicago, Illinois

Bearings—**SELF-LUBRICATING**; Oilite—Superoilite; Iron-Oilite—Oil Cushion Bronze Bearings—Special parts

**CHRYSLER CORPORATION**  
Amplex Division  
6501 Harper Ave.,  
Detroit, Michigan

Truck Rims for pneumatic tires. Welded Gear Ring Forgings. Special shaped welded Rings. Welded tube products. Complete line of bicycles

**THE CLEVELAND WELDING COMPANY**  
Cleveland, Ohio.

Steel Castings, one pound to 16,000 pounds; Iron Castings, 1/4 pound to 15,000 pounds  
**THE COMMERCIAL STEEL CASTING CO.**  
Marion, Ohio

Manufacturers of Spiral or Convolute Wound Paper Tubes; Fibre Body Metal End Cans in round and irregular shapes  
**CRESCENT PAPER TUBE COMPANY, INC.**  
414 Court Street  
Covington, Kentucky

Engine Cleaning Fluid; Engine Shoe White; Engine Lighter Fluid; Engine Window Cleaner; Diamond Tints and Dyes  
**THE CUMMER PRODUCTS CO.**  
Bedford, Ohio

Grinding Wheels  
**DETROIT-STAR GRINDING WHEEL COMPANY**  
111-177 Cavalry Avenue  
Detroit, Michigan

Ditto Gelatine & Liquid Duplicators; Ditto Rolls & Films; Ditto Inks; Ditto Pencils; Ditto Ribbons; Ditto Carbon; Ditto Paper

**DITTO, INC.**  
2243 W. Jackson Blvd.  
Chicago, Illinois

Die Castings—High Pressure, of Aluminum, Magnesium and Zinc  
**DOLLIN CORPORATION**  
600 South 21st Street  
Irvington, New Jersey

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Army Ordnance and Chemical Warfare (Cont'd.)

(Continued from Page 1083)

*Manufacturers and Distributors of Sheet, Tube, Pipe, Wire, Rod, Brass, Copper, Bronze*

**DOWNS SMITH BRASS & COPPER CO.**  
304-320 East 45th Street  
New York, N. Y.

**BRAKES, Sheet Metal Bending; BRAKES, Hand & Power; BRAKES, Press; DIES, Press Brake; MACHINERY, Sheet Metal Working**

**DREIS & KRUMP MFG. CO.**  
74th & Loomis Streets  
Chicago, Illinois

*Projectiles; Forgings; Pipe Couplings; Pipe-line Repair Devices*

**DRESSER MANUFACTURING COMPANY**  
41 Fisher Avenue  
Bradford, Pennsylvania

*Welded Gun Base Mounts; Welded Pressure Vessels; Water Tube Boilers; Acid Plant Machinery; Chemical Plant Machinery*

**EDGE MOOR IRON WORKS, INC.**  
30 Rockefeller Plaza  
New York City, N. Y.

*Motor-Generator Sets; Electric Arc Welders; Electroplating Sets; Synchronous Motors; Anodic Treatment Sets*

**THE ELECTRIC PRODUCTS COMPANY**  
1725 Clarkstone Road  
Cleveland, Ohio

*Paint Spraying Equipment; Spray Guns; Air Compressors; Insecticide Sprayers; Floor Sanders*

**THE ELECTRIC SPRAY CO.**  
Sheboygan, Wisconsin

*Oiled Silks; Waterproofed Fabrics (Light-weight); Gas Resistant Materials; Varnished Tubing for Electrical Insulation; Insulating Varnishes*

**ENDURETTE CORPORATION OF AMERICA**  
Cliffwood, New Jersey

*Everlasting Valves; Duplex Blow-off Units; Flatplug Valve; Everlasting Flush Tank Valve; Mayer Flange Wrench*

**EVERLASTING VALVE COMPANY**  
49 Flisk Street  
Jersey City, New Jersey

*Valves; Unions; Hand Trucks; Wheelbarrows; Rubber Tired Wheels*

**THE FAIRBANKS COMPANY**  
303 Lafayette St.  
New York, N. Y.

*Automotive Radiators; Airplane Engine & Oil Cooling Equipment; Unit Heaters & Heating & Cooling Coils; Refrigeration & Air Conditioning Coils & Valves*

**FEDDERS MANUFACTURING COMPANY, INC.**  
57 Tonawanda Street  
Buffalo, New York

*Box making machinery and packing house equipment*

**FOOD MACHINERY CORPORATION**  
Riverside Division  
3075 12th Street  
Riverside, California

*"Gerotor" Rotary Liquid Pumps*

**GEROTOR MAY COMPANY**  
Maryland Ave. & Oliver St.,  
Baltimore, Maryland

*Blue Print Filing Cabinets; Steel & Wood Drawing Tables; Steel & Wood Medical Furniture; Dental Cabinets; Laboratory Furniture*

**HAMILTON MANUFACTURING COMPANY**  
Two Rivers, Wisconsin

*Wood Water Tanks; Acid Tanks; Filter Tanks; Chemical Tanks; Wood Filter Plates*

**THE HAUSER-STANDER TANK COMPANY**  
4838 Spring Grove Avenue  
Cincinnati, Ohio

*The Hilco Oil Reclaimer; Hilliard Over Running Clutches; Hilliard Single Revolution Clutches; Hilliard Friction Clutches; Hilliard Centrifugal Clutches*

**THE HILLIARD CORPORATION**  
125 West Fourth Street  
Elmhurst, New York

*Wooden Boxes; Veneer Boxes; Building Material; Hardwoods; Yellow Pine and White Pine Lumber*

**HUTTON & BOURBONNAIS CO.**  
Hickory, N. C.

*Hyatt Roller Bearings*

**HYATT BEARINGS DIVISION**  
General Motors Sales Corp.  
Harrison, New Jersey

*Flint Abrasives; FLINTBRASIVE (Air Blasting Abrasive); Tripoli (Silica); Limestone (Calcium); Dolomite*

**INDEPENDENT GRAVEL COMPANY**  
P. O. Box 826  
Joplin, Missouri

*Drop Forgings*

**INDIANAPOLIS DROP FORGING COMPANY**  
Indianapolis, Indiana

*Metal and Wood Laboratory Furniture and Equipment for Every Research, Educational and Industrial Use*

**KEWAUNEE MANUFACTURING CO.**  
Kewaunee, Wisconsin

*Power Shovels—Skimmer Type; Trenches; Cranes; Draglines—Capacities 1 yd. to 1 1/4 yd.; Water, Oil Well and Blast Hole Drilling Machines and Tools*

**KEYSTONE DRILLER COMPANY**  
Beaver Falls, Pa.

*Fluorescent Lighting Equipment*

**KLEMM REFLECTOR COMPANY**  
132A North 5th Street  
Philadelphia, Pennsylvania

*Steel Plate Construction; Chemical Tanks; Rapid Batch Mixers; Gray Iron Castings; Bins & Batches*

**LANCASTER IRON WORKS, INC.**  
Lancaster, Pennsylvania

*High Speed, Stainless, Die & Tool Steels*

**LATROBE ELECTRIC STEEL COMPANY**  
Latrobe, Pennsylvania

*Air, Electric, and Hand-Operated Grease Guns; KLEENSEAL Push-Type, Pin-Type, and Button Head Grease Fittings*

**LINCOLN ENGINEERING COMPANY**  
5701 Natural Bridge  
St. Louis, Missouri

*Linn Half Track Trucks; Linn Tractors; Linn Convertible Tractor Trucks; Linn Trailers; Linn Snow Plows*

**THE LINN MANUFACTURING CORPORATION**  
Morris, New York

*Hoists*

**McCOLLUM HOIST & MANUFACTURING CO.**  
Downers Grove, Illinois

*Chains, Automobile Tire; Chains, Marine; Chains, Welded & Weldless; Electrodes; Arc Welding Electrodes, Mild Steel, Stainless*

**THE McKAY COMPANY**  
Grantley Road  
York, Pa.

*Nitralloy Products; Lapped Assemblies; Diesel Engine Parts; Aviation Engine Parts; Ground Thread Parts*

**THE MARQUETTE METAL PRODUCTS COMPANY**  
1145 Galewood Drive  
Cleveland, Ohio

*VICE STANDS—For Cutting, threading and bending pipe or conduit*

**H. P. MARTIN & SONS**  
12th & Elm Streets  
Owensboro, Ky.

*Designers, Fabricators, & Erectors of Standard Metal Buildings*

**MARYLAND METAL BUILDING CO.**  
Race & McComas Sts.  
Baltimore, Maryland

*Packing Boxes—Bombs, Fuses, Shells, etc.; Corrugated Shipping Containers; Plywood Packing Box Fillers; Engineered Wood Parts; Gun Stocks*

**THE MENGEL COMPANY**  
Louisville, Kentucky

*Fire Brick; Plastic, Fire Brick (MONO-FIBRIK); Mortar, High Temperature (HILOSET); Castable, Refractory Concrete (FURNAS CRETE); Refractories*

**MEXICO REFRACTORIES COMPANY**  
Mexico, Missouri

*Oxy-Acetylene Welding and Cutting Torches; Welding & Cutting Equip.; Paint Spray Equip.; Gas Regulators; Portable Carbide Lights*

**THE ALEXANDER MILBURN COMPANY**  
1416-28 W. Baltimore St.  
Baltimore, Maryland

*Coke; Benzol; Toluol; Xylol; Naptha*

**THE MILWAUKEE COKE & GAS COMPANY**

311 E. Greenfield Avenue  
Milwaukee, Wisconsin

*Steel & Aluminum Safety Treads; Steel & Aluminum Pressings of all kinds; Steel Bodies for Ammunition, Artillery, Supply Trucks, etc.; Metal Forming & Welding of Special character such as fabrication of practice bombs & allied products; Metal Cabinet work of all kinds*

**MORTON MANUFACTURING COMPANY**  
5105-43 West Lake Street  
Chicago, Illinois

*Burglar-Proof Vaults & Doors; Safe Deposit Boxes; Lockers; Burglary-Resistive Money Chests; Fire-Resistive Safes; Fire-Resistive Vault Doors; Insulated Letter & Legal Cap File Containers; Safe Repairs; Combination Locks; Time Locks; Safe Deposit Key Locks; Prison Locks*

**THE MOSLER SAFE COMPANY**  
Hamilton, Ohio

*Malleable Iron Castings—All kinds Patterns*

**MUNCIE MALLEABLE FOUNDRY CO.**  
Muncie, Indiana

*Camshaft and Crankshaft Machinists*  
**MUSKEGON MOTOR SPECIALTIES COMPANY and JACKSON CRANK-SHAFT DIVISION**  
Muskegon, Michigan and Jackson, Michigan

*Copper—Wire Bar, Ingots; Brass & Bronze—Ingots & Billets; Solder—all grades*

**NASSAU SMELTING & REFINING COMPANY, INC.**  
Tottenville, S. I., N. Y.

*Jigs, Fixtures & Special Tools*

**NATIONAL EQUIPMENT COMPANY**  
3640 Main Street  
Springfield, Massachusetts

*Sewing Machines; Screw Mach. Products; Taper Pins; Grey Iron Castings; Special Machines to specifications*

**NATIONAL SEWING MACHINE CO.**  
Belvidere, Ill.

*Diesel Engines*

**THE NATIONAL SUPPLY COMPANY**  
Superior Engine Division  
Springfield, Ohio

*Wooden Boxes Shooks or Assembled; Lock Corner Boxes; Wirebound Boxes; Cleated Plywood Boxes; Special Designs*

**THE NEW ENGLAND BOX COMPANY**  
100 East 42nd Street  
New York, N. Y.

*Truck transmissions and differential assemblies, automotive spur, spiral, bevel and hypoid bearing tractor transmissions and differential gears*

**NEW PROCESS GEAR CORPORATION**  
Syracuse, New York

*Caliber Cartridge Cases; Shell Forgings; Finished Shells and Fuzes; Air Brakes and Repair Parts for Steam Railroads*

**THE NEW YORK AIR BRAKE COMPANY**  
420 Lexington Avenue  
New York, N. Y.

*Dyers, Finishers and Waterproofers of Cotton Duck and Drill up to 72"*

**OHIO FALLS DYE & FINISHING WORKS**  
P. O. Box 536  
Louisville, Kentucky

*Steel Castings—Open Hearth & Elec.; Rolls—Steel & Iron; R. R., Locomotive & Fire Car Castings; Heat & Corrosion Resistant Alloy Castings; Oil Refinery Return Bends & Fittings*

**THE OHIO STEEL FOUNDRY COMPANY**  
Lima, Ohio

*Lumber*

**OZAN LUMBER COMPANY**  
Prescott, Arkansas

*Silica Sand*

**PENNSYLVANIA GLASS SAND CORPORATION**  
Lewistown, Pennsylvania

*Silica Mold Wash; Silica Flour; Silica All Types*

**PENNSYLVANIA PULVERIZING COMPANY**  
Lewistown, Pennsylvania

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Army Ordnance and Chemical Warfare (Cont'd.)

(Continued from Page 1084)

**Magnifiers & Microscopes (Illuminated)**  
**E. W. PIKE & COMPANY**  
Elizabeth, New Jersey

**Steel Castings; Coil Springs; Forgings**  
**PRATT & LETCHWORTH COMPANY, INC.**  
190 Tonawanda Street  
Buffalo, New York

**Chlorinators; Chemical Feeders**  
**%PROPORTIONEERS%, INC.**  
1108 Westminister Street  
Providence, Rhode Island

**Paint Brushes; Varnish Brushes; Kalsomine Brushes**

**J. C. PUSHEE & SONS**  
700 Harrison Avenue  
Boston, Mass.

**Castings, Gray Iron; Chain Drives, Sprockets & Chains; Couplings; Flexible Chain; Clutches, Taperroll Non-friction**  
**RAMSEY CHAIN COMPANY, INC.**  
1015 Broadway  
Albany, New York

**Special, Extra Heavy Paper Bags, water-proofed and otherwise for such commodities as Cement, Gypsum, Lime, Plaster, Sand, Dry Chemicals, Fertilizer and various other products**

**THE RAYMOND BAG COMPANY**  
Middletown, Ohio

**Powder Mixers; Mascerators; Mortars & Mounts**

**READ MACHINERY COMPANY, INC.**  
York, Pennsylvania

**Remco Motor Drives for speeding up machine tool performance**

**REMCO PRODUCTS CORPORATION**  
York, Pennsylvania

**Shipping Boxes or Cases (wooden) for Ammunition, Guns & Miscellaneous; Sash, Doors, Frames & Millwork; Woodwork of Special & Miscellaneous Character**

**ROACH & MUSSER COMPANY**  
Muscatine, Iowa

**Quality Gas Ranges; Quality Electric Ranges**

**ROBERTS & MANDER STOVE COMPANY**  
237 Jacksonville Road  
Bathory, Pennsylvania

**Railroad Freight Cars; Railroad Passenger Cars; Military Tanks; Trackless Trolley Coaches; Electric Surface Subway and Elevated Cars.**

**ST. LOUIS CAR COMPANY**  
9000 North Broadway  
St. Louis, Mo.

**Helical Gears to 12" diameter; Spur Gears to 12" diameter; Worm Gears to 12" diameter; Worms to 12" diameter; Rat-chets to 12" diameter**

**SCHAFER GEAR WORKS**  
South Bend, Indiana

**Nickel Silver; Phosphor Bronze; Brass; Nickel Anodes; Bright Nickel**

**THE SEYMOUR MANUFACTURING COMPANY**  
87 Franklin Street  
Seymour, Connecticut

**Jordans; Agitators; Chests**  
**SHARTLE BROTHERS MACHINE COMPANY**  
Middletown, Ohio

**Lathes; Milling Machines**  
**THE SIDNEY MACHINE TOOL CO.**  
Sidney, Ohio

**Foundry Pig Iron; Foundry Coke; FERROMANGANESE—standard Grade**  
**SLOSS-SHEFFIELD STEEL & IRON CO.**  
Birmingham, Alabama

**Diamond; Diamond Tools; Diamond Boring Tools; Wheel Dressing Tools; Diamonds for Industrial Uses**

**J. K. SMIT & SONS, INC.**  
157 Chambers Street  
New York, New York

**Axles for gun mounts, tandem axle bogeys and limbers, brakes, pneumatic tire conversions including hubs and bearings, forgings**

**Wisconsin Axle Division of the Timken-Detroit Axle Company, Oshkosh, Wis.—Tank Transmissions and final drives**

**THE TIMKEN-DETROIT AXLE COMPANY**  
100-400 Clark Avenue  
Detroit, Michigan

**Cast Iron Castings; Aluminum Brass Castings; Machine Shop; Heavy Machines made to order; Steel machined accurately**

**TURNER MANUFACTURING COMPANY**  
Meeting Street  
Staatsville, N. C.

**Stoves; Ranges; Heaters; and Grey Iron Castings**

**UNITED STATES STOVE COMPANY**  
South Pittsburg, Tennessee

**Non-ferrous Metals—wire and seamless tubes**

**UNITED WIRE AND SUPPLY CORPORATION**  
1497 Elmwood Avenue  
Providence, R. I.

**Buttons, and Fasteners, and Metal parts, and Automatic machines supplied on lease for attaching buttons & fasteners**

**UNIVERSAL BUTTON FASTENING AND BUTTON COMPANY**  
2550 Fort St., West  
Detroit, Michigan

**Engineers, Founders & Builders of paper-making machinery and special custom-built medium and heavy duty machinery**

**VALLEY IRON WORKS COMPANY**  
Appleton, Wisconsin

**The "Marschke" Line of Pedestal, Floor Stand and Swing Frame Grinders & Buffers**

**VONNEGUT MOULDER CORPORATION**  
1803 Madison Avenue  
Indianapolis, Indiana

**Corrosion Resistant Alloys; Abrasion Resistant Alloy; Special Castings; Hard-surfacing Welding Rod**

**WALL-COLMONOY CORPORATION**  
636-7 Buhl Building  
Detroit, Michigan

**Disinfectants; Powdered Hand Soap; Floor Maintenance Materials; Insecticides and Paper Towels**

**WEST DISINFECTING COMPANY**  
42-16 West Street  
Long Island City, N. Y.

**All Forms Chemical Lime & Limestone**  
**WHITEROCK QUARRIES**  
Belleville, Pa.

**Hair Brushes; Military Brushes; Shaving Brushes; Hand Scrub Brushes**

**WHITING-ADAMS COMPANY, INC.**  
700 Harrison Avenue  
Boston, Mass.

**"Pedrick" Piston Rings**  
**WILKENING MANUFACTURING COMPANY**  
2000 So. 71st St.  
Philadelphia, Pa.

**Steel Tanks—air, water and oil; Water Heaters; Range Boilers; Special Steel Containers**

**JOHN WOOD MANUFACTURING COMPANY, INC.**  
Conshohocken, Pennsylvania

### ARMY AND NAVY AIRCRAFT SUPPLIES

**Stainless Steel; Tool Steel; Electrical Steel; Carbon Strip Steel; Armor Plate**

**ALLEGHENY LUDLUM STEEL CORPORATION**  
2319 Oliver Building  
Pittsburgh, Pa.

**Armco Galvanized PAINTGRIP Sheets; Armco Flat & Corrugated Galv. Sheets; Armco Stainless Steel Sheets; Armco High Tensile Sheets; Steelox Prefabricated Steel Bldgs.**

**THE AMERICAN ROLLING MILL COMPANY**  
Middletown, Ohio

**Spinners and Manufacturers of Cotton Threads for all purposes**

**AMERICAN THREAD COMPANY**  
200 West Broadway  
New York, N. Y.

**Manufacturers of Protective Chain Link and Iron Picket Fences**

**ANCHOR POST FENCE COMPANY**  
Eastern Avenue & Kane Street  
Baltimore, Maryland

**Stampings, Metal, small**  
**ANIMAL TRAP COMPANY OF AMERICA**  
Littitz, Pa.

**Corrugated metal pipe culverts, sewers, subdrains (6"—96"); MULTI PLATE small bridges (pipe 60"—180"; arches 5'—30'); Tunnels and underpasses (any size and shape); Trench sheeting (up to 18' and longer); Retaining walls (up to 30' in height)—any length and curve**

**ARMCO DRAINAGE PRODUCTS ASSOCIATION**  
(Member Companies throughout the U. S.)  
Middletown, Ohio

### Army and Navy Aircraft Supplies (Cont'd.)

**IMPERVO weatherproof cardboard signs, directional markers and displays; R-V-LITE Shatter-proof, flexible, weatherproof substitute for glass; Combining and laminating of fabrics, paper and other roll or sheet material; Eyeletting, wire stitching, stamping and diecutting, lacquer coating and pasting; Special hand assembling and hand finishing work of all kinds; Facilities available for contract or sub-contract**

**ARVEY CORPORATION**  
3462 North Kimball Avenue  
Chicago, Illinois

**Spiral Bevel Gears; Hypoid Bevel Gears; Flywheel Starter Gears; Axle Shafts; Propeller Shafts**

**AUTOMOTIVE GEAR WORKS, INC.**  
Richmond, Indiana

**Specializing in Milled from Bar Nuts**  
**AUTOMATIC PRODUCTS COMPANY**  
1145 West Grand Blvd.  
Detroit, Michigan

**Upright Drilling Machines; Gang and Rotating Table Drilling Machines; Honing Machines, Vertical & Horizontal; Combined Boring & Honing Machines for re-conditioning cylinders, etc.**

**BARNES DRILL COMPANY**  
814 Chestnut Street  
Rockford, Illinois

**Aircraft—Landplanes, Seaplanes & Aircraft Parts**

**BELLANCA AIRCRAFT CORPORATION**  
New Castle, Delaware

**Paints; Varnishes; Enamels and Lacquers**  
**BERRY BROTHERS, INC.**  
211 Leib Street  
Detroit, Michigan

**Platinum Laboratory Apparatus; Stainless Steel Tubing, small; Stainless Steel Hypodermic Needles**

**J. BISHOP & CO. PLATINUM WORKS**  
12 Channing Avenue  
Malvern, Pennsylvania

**Pumps, Rotary, Hand and Power Driven**  
**BLACKMER PUMP COMPANY**  
1800 Century Avenue, S. W.  
Grand Rapids, Michigan

**Power Presses; Hydraulic Presses; High-speed Automatic Presses; Other Metal Working Equipment for Cases, Masks, Fuse Parts, Bombs, Planes, Tanks; etc.**

**E. W. BLISS COMPANY**  
53rd Street & 2nd Avenue  
Brooklyn, New York

**Cold Finished Carbon and Alloy Steel bars to make parts for all kinds of Army and Navy equipment and munitions on Automatic Screw Machines**

**BLISS & LAUGHLIN, INC.**  
Harvey, Illinois

**BEARINGS, oil-less, self lubricating; COMPO OIL RETAINING POROUS BRONZE Bearings; BOUND BROOK GRAPHITED BRONZE Bearings; NIGRUM IMPREGNATED HARD-WOOD Bearings; Also—Brass and Bronze Castings**

**BOUND BROOK OIL-LESS BEARING COMPANY**  
Bound Brook, New Jersey

**Safety Equipment; Face Shields; Grinder & Inspection Shields; Safety Clothing; Vacuum Lifters**

**THE BOYER-CAMPBELL COMPANY**  
6540 Antoine Street  
Detroit, Michigan

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Army and Navy Aircraft Supplies (Continued from Page 1085)

Rayon Linings; Cotton Linings; Pocketings; Silesias; Sleeve Linings; Cotton Canvas

**BRAND & OPPENHEIMER, INC.**  
229 - 4th Avenue  
New York, N. Y.

Radio Ignition Shielding; Electrical Conduit and Connectors; Fuel Analyzers and Flow Meters; Cartridge Engine Starters; Aircraft Controls

**BREEZE CORPORATIONS, INC.**  
24 South Sixth Street  
Newark, New Jersey

Billiard & Bowling Equipment and Supplies; Bar Fixtures; Soda Fountains; Commercial Refrigerators; Whale-Bone-ite Toilet Seats

**THE BRUNSWICK-BALKE-COLLENDER CO.**  
623 South Wabash Ave.  
Chicago, Illinois

Excelsior; Burlap; Cotton Batts; Sisal Insulation; Cotton Tufts and Yarns

**F. BURKART MFG. COMPANY**  
4000 North Second Street  
St. Louis, Missouri

Tungsten, Tantalum, Titanium Carbides; Dressers—Grinding Wheel—Diamond Impregnated Carbide; Drawing Dies—Cemented Carbide; Tools—Lathe, Planer, Shaper, etc., Cemented Carbide; Cutters—Milling, Boring, Reaming, etc., Cemented Carbide

**CARBOLOY COMPANY, INC.**  
Detroit, Michigan

NUHUB Cast Iron Soil Pipe & Fittings; F. & W. Revent & Drainage Fittings; Essex Steam & Drainage Fittings; Solus Oil & Gasoline Separator; Universal Cast Iron Pipe & Fittings

**THE CENTRAL FOUNDRY COMPANY**  
380 Fourth Avenue  
New York, N. Y.

#### Drop Forgings

**THE CHAMPION MACHINE & FORGING CO.**  
3605 East 78th Street  
Cleveland, Ohio

All types of wooden packages and crates, including Wirebound, Plywood and regular Nailed Boxes, both made up and K.D.

**CHICAGO MILL AND LUMBER COMPANY**  
111 West Washington St.  
Chicago, Illinois

Mechanical Leather Products; Oil Seals; Leather Belting; Belt Lacing; Rawhide Mallets and Hammers

**CHICAGO RAWHIDE MANUFACTURING CO.**  
1301 Elston Avenue  
Chicago, Illinois

Bearings—SELF-LUBRICATING; Oilite—Superoilite; Iron-Oilite—Oil Cushion Bronze Bearings—Special parts  
**CHRYSLER CORPORATION**  
Amplex Division  
6501 Harper Ave.,  
Detroit, Michigan

Aerol Struts; Aircraft Riveters; Squeeze Riveters; Aircraft Drills; Grinders

**THE CLEVELAND PNEUMATIC TOOL COMPANY**  
3734 East 78th Street  
Cleveland, Ohio

Truck Rims for pneumatic tires. Welded Gear Ring Forgings. Special shaped welded Rings. Welded tube products. Complete line of bicycles.

**THE CLEVELAND WELDING COMPANY**  
Cleveland, Ohio.

Manufacturers of Spiral or Convolute Wound Paper Tubes, fibre body metal end Cans in round and irregular shapes

**CRESCENT PAPER TUBE COMPANY, INC.**  
414 Court Street  
Covington, Kentucky

Engine Cleaning Fluid; Engine Shoe White; Engine Lighter Fluid; Engine Window Cleaner; Diamond Tints and Dyes

**THE CUMMER PRODUCTS CO.**  
Bedford, Ohio

Advanced Training; Interceptor-Pursuit; Transport, and Cargo Aircraft

**CURTISS WRIGHT CORPORATION**  
St. Louis Airplane Division  
Robertson, Missouri

NO-OX-ID Rust Preventives; Boiler Water Treatment; Diesel Cooling Water Treatment

**DEARBORN CHEMICAL COMPANY**  
310 South Michigan Avenue  
Chicago, Illinois

Ditto Gelatine & Liquid Duplicators; Ditto Rolls & Films; Ditto Inks; Ditto Pencils; Ditto Ribbons; Ditto Carbon; Ditto Paper  
**DITTO, INC.**  
2243 W. Jackson Blvd.  
Chicago, Illinois

Die Castings—High Pressure, of Aluminum, Magnesium and Zinc

**DOLLIN CORPORATION**  
600 South 21st Street  
Irrington, New Jersey

Manufacturers and Distributors of Sheet, Tube, Pipe, Wire, Rod, Brass, Copper Bronze

**DOWNS-SMITH BRASS & COPPER CO., INC.**  
304-320 East 45th Street  
New York, N. Y.

BRAKES, Sheet Metal Bending; BRAKES, Hand & Power; BRAKES, Press; DIES, Press Brake; MACHINERY, Sheet Metal Working

**DREIS & KRUMP MFG. CO.**  
74th & Loomis Streets  
Chicago, Illinois

Motor-Generator Sets; Electric Arc Welders; Electroplating Sets; Synchronous Motors; Anodic Treatment Sets

**THE ELECTRIC PRODUCTS COMPANY**  
1725 Clarkstone Road  
Cleveland, Ohio

Paint Spraying Equipment; Spray Guns; Air Compressors; Insecticide Sprayers; Floor Sanders

**THE ELECTRIC SPRAYIT CO.**  
Sheboygan, Wisconsin

Automotive Radiators; Airplane Engine & Oil Cooling Equipment; Unit Heaters & Heating & Cooling Coils; Refrigeration & Air Conditioning Coils & Valves  
**FEDDERS MANUFACTURING COMPANY, INC.**  
57 Tonawanda Street  
Buffalo, New York

Precision Measuring Dial Indicators and Gages

**FEDERAL PRODUCTS CORPORATION**  
1144 Eddy Street  
Providence, R. I.

Refrigerated Display Cases; Walk-in Boxes; Milk Cabinets, etc.; Sheet Metal Products

**FLEETWOOD CRAFTSMEN, INC.**  
Fleetwood, Pennsylvania

All types of high and low pressure flexible fuel line tubing assemblies, hydraulic tubing assemblies, etc.

**FLEX-O-TUBE COMPANY**  
750 - 14th Street  
Detroit, Michigan

Aircraft Wire—Power & Lighting Systems; Aircraft Wire—Communication Systems; Battery Chargers; Cable, Shipboard; cable, Motor lead; Rectifier bulbs, (Tungar); Rectifiers, Copper Oxide; Rectifiers, Bulb-type (Tungar); Wire, Magnet; Wire, Fireproof insulated

**GENERAL ELECTRIC COMPANY**  
Appliance & Merchandise Dept.  
Bridgeport, Connecticut

Name Plates; Dials; Scales; Metal Products—Etched & Lithographed

**GENERAL ETCHING & MFG. CO.**  
3070-3082 West Grand Ave.  
Chicago, Illinois

"Gerotor" Rotary Liquid Pumps

**GEROTOR MAY COMPANY**  
Maryland Ave. & Oliver St.,  
Baltimore, Maryland

Shaft Couplings—Flexible—for motors 1/4 H. P. or less

**GUARDIAN UTILITIES CO.**  
215 E. Michigan St.  
Michigan City, Indiana

Blue Print Filing Cabinets; Steel & Wood Drawing Tables; Steel & Wood Medical Furniture; Dental Cabinets; Laboratory Furniture

**HAMILTON MANUFACTURING COMPANY**  
Two Rivers, Wisconsin

Airplane Propellers; Industrial Fans; Ventilating Equipment

**HARTZELL PROPELLER COMPANY**  
Division of Hartzell Industries, Inc.  
Piqua, Ohio

The Hilco Oil Reclaimer; Hilliard Over Running Clutches; Hilliard Single Revolution Clutches; Hilliard Friction Clutches; Hilliard Centrifugal Clutches

**THE HILLIARD CORPORATION**  
125 West Fourth Street  
Elmira, New York

Hyatt Roller Bearings

**HYATT BEARINGS DIVISION**  
General Motor Sales Corp.  
Harrison, New Jersey

Resistors & Rheostats

**HARDWICK, HINDLE, INC.**  
40 Hermon St.  
Newark, New Jersey

Flint Abrasives; FLINTBRASIVE (Air Blasting Abrasive); Tripoli (Silica); Limestone (Calcium); Dolomite

**INDEPENDENT GRAVEL COMPANY**  
P. O. Box 826  
Joplin, Missouri

Drop Forgings

**INDIANAPOLIS DROP FORGING COMPANY**  
Indianapolis, Indiana

Tachometers (Portable); Tachometers (Fixed Type); Electric Portable Drills (Light Duty)

**JONES MOTROLA SALES COMPANY**  
432 Fairfield Avenue  
Stamford, Conn.

Ponderosa Pine; Lumber; Mouldings; Box Shook

**KESTERSON LUMBER CORPORATION**  
Klamath Falls, Oregon

Metal and Wood Laboratory Furniture and Equipment for Every Research, Educational and Industrial use

**KEWAUNEE MANUFACTURING CO.**  
Kewaunee, Wisconsin

Power Shovels—Skimmer Type; Trenches; Cranes; Draglines—Capacities 1 yd. to 1 1/4 yd.; Water, Oil Well and Blast Hole Drilling Machines and Tools

**KEYSTONE DRILLER COMPANY**  
Beaver Falls, Pa.

High Speed, Stainless, Die & Tool Steels

**LATROBE ELECTRIC STEEL COMPANY**  
Latrobe, Pennsylvania

Hi-Test Safety Plate Glass; Bent Safety Glass

**LIBBEY-OWENS-FORD GLASS COMPANY**  
Nicholas Building  
Toledo, Ohio

Air, Electric, and Hand-Operated Grease Guns; KLEENSEAL Push-Type, Pin-Type, and Button Head Grease Fittings

**LINCOLN ENGINEERING COMPANY**  
5701 Natural Bridge  
St. Louis, Missouri

LITTELFUSES for Aircraft; Glass, Bakelite enclosed, Low Voltage Heavy Duty A.C. up to 300 Amp. Also High Voltage, Fuse Extractor Posts, Mountings, Beryllium Copper Fuse Clips, Radio and Instrument Fuses. Ask for catalog

**LITTELFUSE, INC.**  
4773 Ravenswood Avenue  
Chicago, Illinois

Aviation Engines & Propellers

**LYCOMING DIVISION, AVIATION MANUFACTURING CORPORATION**  
Williamsport, Pennsylvania

Hoists

**MCCOLLUM HOIST & MANUFACTURING CO.**  
Downers Grove, Illinois

Cold Headers; Bolt Head Trimmers; Screw Thread Rollers; Screw Slotters; Cold Nut Blankers

**THE E. J. MANVILLE MACHINE COMPANY**  
574 East Main Street  
Waterbury, Connecticut

Niralloy Products; Lapped Assemblies; Diesel Engine Parts; Aviation Engine Parts; Ground Thread Parts

**THE MARQUETTE METAL PRODUCTS COMPANY**  
1145 Galewood Drive  
Cleveland, Ohio

VICE STANDS—For Cutting, threading and bending pipe or conduit

**H. P. MARTIN & SONS**  
12th & Elm Streets  
Owensboro, Ky.

Designers, Fabricators, & Erectors of Standard Metal Buildings

**MARYLAND METAL BUILDING CO.**  
Race & McComas Sts.  
Baltimore, Maryland

Tractors (Wheel Type) Farm Implements.

**MASSEY-HARRIS COMPANY**  
Racine, Wisconsin

Veneer & Plywood for Airplane Construction; Rough & Machined Wood Parts; Engineered Packing Cases for Airplane Engines, Propellers

**THE MENGEL COMPANY**  
Louisville, Kentucky

Mouldings made from all type metals. Atomic hydrogen welded alloy tubing.

**METAL FORMING CORPORATION**  
Elkhart, Indiana

Oxy-Acetylene Welding and Cutting Torches; Welding & Cutting Equipment; Paint Spray Equipment; Gas Regulators; Portable Carbide Lights

**THE ALEXANDER MILBURN COMPANY**  
1416-28 W. Baltimore St.  
Baltimore, Maryland

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Army and Navy Aircraft Supplies (Continued from Page 1086)

Cold Finished Steel Bars; Cold Drawn Steel Bars; Alloy Steel Bars; Cold Rolled Bars; Cold Drawn Flats

**MONARCH STEEL COMPANY**  
345 W. McCarty Street  
Indianapolis, Indiana

#### Tufting Buttons

**MORLEY BUTTON MANUFACTURING CO.**  
865 Islington St.  
Portsmouth, N. H.

Burglar-Proof Vaults & Doors; Safe Deposit Boxes; Lockers; Burglary-Resistive Money Chests; Fire Resistive Safes; Fire-Resistive Vault Doors; Insulated Letter & Legal Cap File Containers; Safe Repairs; Combination Locks; Time Locks; Safe Deposit Key Locks; Prison Locks

**THE MOSLER SAFE COMPANY**  
Hamilton, Ohio

Malleable Iron Castings—All kinds; Patterns

**MUNCIE MALLEABLE FOUNDRY COMPANY**  
Muncie, Indiana

Sewing Machines; Screw Mach. Products; Taper Pins; Grey Iron Cstgs.; Special Machines to specifications

**NATIONAL SEWING MACHINE CO.**  
Belvidere, Ill.

Dyers, Finishers and Waterproofers of Cotton Duck and Drill up to 72"

**OHIO FALLS DYE & FINISHING WORKS**  
P. O. Box 506  
Louisville, Kentucky

Steel Cstgs.—Open Hearth & Elec.; Rolls—Steel & Iron; R. R., Locomotive & Frt. Car Castings; Heat & Corrosion Resisting Alloy Cstgs.; Oil Refinery Return Bends & Fittings

**THE OHIO STEEL FOUNDRY COMPANY**  
Lima, Ohio

Special Wood Parts; Wood turnings; Wood Mouldings; Wood Carvings; Intricate or artistic machining in wood

**S. E. OVERTON COMPANY**  
1000 Indiana Avenue  
South Haven, Michigan

#### Lumber

**OZAN LUMBER COMPANY**  
Prescott, Arkansas

Automotive Cable; Aircraft Cable; Types S and SJ Portable Cord; Portable Wire Strippers; Wiring Harnesses

**PACKARD ELECTRIC DIVISION**  
General Motors Corporation  
Warren, Ohio

Tubing, Flexible Metal; Hose; Flexible Metal; Exhaust Pipes; Flexible Metal; Rivet Passers, Pneumatic; Barrel Fillers, Automatic

**PENNSYLVANIA FLEXIBLE METALLIC TUBING CO.**  
72nd & Powers Lane  
Philadelphia, Pennsylvania

#### Silica Sand

**PENNSYLVANIA GLASS SAND CORPORATION**  
Lewistown, Pennsylvania

Silica Mold Wash; Silica Flour; Silica, All Types

**PENNSYLVANIA PULVERIZING COMPANY**  
Lewistown, Pennsylvania

Van Hensen Shirts; Van Hensen Pajamas; Van Hensen Neckwear; Van Hensen Collars

**PHILLIPS-JONES CORPORATION**  
1225 Broadway  
New York, N. Y.

Magnifiers & Microscopes (Illuminated)

**E. W. PIKE & COMPANY**  
Elizabeth, New Jersey

5c bags VIRGINIA SALTED PEANUTS; 5c JUMBO BLACK PEANUT BARS; 1/2# Vacuum Tins COCKTAIL SALTED PEANUTS; 1# Vacuum Tins VIRGINIA SALTED PEANUTS

**PLANTERS NUT & CHOCOLATE COMPANY**  
Wilkes-Barre, Pennsylvania

Steel Castings; Coil Springs; Forgings

**PRATT & LETCHWORTH COMPANY, INC.**  
189 Tonawanda Street  
Buffalo, New York

Metal Shielded Wire; Seamless Copper, Brass & Aluminum Alloy Tubing; Aluminum Pointer Tubing

**PRECISION TUBE COMPANY**  
204 Osborn Street  
Philadelphia, Pennsylvania

Paint Brushes; Varnish Brushes; Kalsomine Brushes.

**J. C. PUSHEE & SONS**  
700 Harrison Avenue  
Boston, Mass.

Special, Extra Heavy Paper Bags, Waterproofed and otherwise for such commodities as Cement, Gypsum, Lime, Plaster, Sand, Dry Chemicals, Fertilizer and various other products

**THE RAYMOND BAG COMPANY**  
Middletown, Ohio

Shipping Boxes or cases (wooden) for ammunition, guns and miscellaneous; Sash, doors, frames and millwork; Woodwork of special and miscellaneous character

**ROACH & MUSSER COMPANY**  
Muscatine, Iowa

Quality Gas Ranges; Quality Electric Ranges

**ROBERTS & MANDER STOVE COMPANY**  
237 Jacksonville Road  
Hathor, Pennsylvania

Asbestos Protected Metal; Cellular Steel Floor; Ventilators (roof); Skylights (weatherproof)

**H. H. ROBERTSON COMPANY**  
2400 Farmers Bank Bldg.  
Pittsburgh, Pa.

Railroad Freight Cars; Railroad Passenger Cars; Military Tanks; Trackless Trolley Coaches; Electric Surface Subway and Elevated Cars

**ST. LOUIS CAR COMPANY**  
8000 North Broadway  
St. Louis, Mo.

Lathes; Milling Machines

**THE SIDNEY MACHINE TOOL CO.**  
Sidney, Ohio

Diamond; Diamond Tools; Diamond Boring Tools; Wheel Dressing Tools; Diamonds for Industrial Uses

**J. K. SMIT & SONS, INC.**  
157 Chambers Street  
New York, New York

Tension Measuring Wrenches; Standard Socket, Boxsocket and Open End Wrenches; Mechanics' Standard Hand Tools; Special Aviation and Automotive Service Tools; Roller Work Benches and Tool Cabinets

**SNAP-ON TOOLS CORPORATION**  
Kenosha, Wisconsin

Engines—Gasoline Marine; Engines—Gasoline Stationary; Engines—Gasoline Tractor; Engines—Generator Sets; Engines—Pumping Sets

**STERLING ENGINE COMPANY**  
1252-71 Niagara Street  
Buffalo, New York

Resistance Welding Machines; Hi-Wave Spot Welders for Aluminum & Stainless Steel

**THE TAYLOR-WINFIELD CORPORATION**  
1052 Mahoning Avenue  
Warren, Ohio

Permanent Magnets; Metal Stampings; Laminations; Heat Treating

**THOMAS & SKINNER STEEL PRODUCTS COMPANY**  
1120 East 23rd Street  
Indianapolis, Indiana

Front & Rear driving axles and transfer cases for automotive vehicles

**THE TIMKEN-DETROIT AXLE COMPANY**  
100-400 Clark Avenue  
Detroit, Michigan

Cast Iron Castings; Aluminum Brass Castings; Machine Shop; Heavy Machines made to order; Steel machined accurately

**TURNER MANUFACTURING COMPANY**  
Metling Street  
Statesville, N. C.

#### Plating & Rustproofing

**UNITED PLATERS, INC.**  
993 Madison Avenue  
Detroit, Michigan

Non-ferrous Metals—wire and seamless tubes

**UNITED WIRE AND SUPPLY CORPORATION**  
1497 Elmwood Avenue  
Providence, R. I.

Buttons, and Fasteners, and Metal parts, and Automatic machines supplied on lease for attaching buttons & fasteners

**UNIVERSAL BUTTON FASTENING AND BUTTON COMPANY**  
2250 Fort St., West  
Detroit, Michigan

Enameled Steel; Stainless Steel and Cast Iron Ware

**THE VOLLRATH COMPANY**  
Sheboygan, Wisconsin

The "Marschke" Line of Pedestal, Floor Stand and Swing Frame Grinders & Buffers

**VONNEGUT MOULDER CORPORATION**  
1803 Madison Avenue  
Indianapolis, Indiana

Disinfectants; Powdered Hand Soap; Floor Maintenance Materials; Insecticides and Paper Towels

**WEST DISINFECTING COMPANY**  
42-16 West Street  
Long Island City, N. Y.

Hair Brushes; Military Brushes; Shaving Brushes; Hand Scrub Brushes

**WHITING-ADAMS COMPANY, INC.**  
700 Harrison Avenue  
Boston, Mass.

#### "Pedrick" Piston Rings

**WILKENING MANUFACTURING COMPANY**  
2000 S. 71st Street  
Philadelphia, Pa.

Ziegler Roller-Drive, Floating Tap, and Reamer Holders

**W. M. ZIEGLER TOOL COMPANY**  
Marquette & Twelfth Street  
Detroit, Michigan

### FORAGE AND SUBSISTENCE

Spinners and Manufacturers of Cotton Threads for all purposes

**AMERICAN THREAD COMPANY**  
200 West Broadway  
New York, N. Y.

#### Refined Sugar

**L. W. & P. ARMSTRONG, INC.**  
10 Wall Street  
New York, N. Y.

BEAULIEU—Cabernet; Burgundy; Sauternes; Riesling; Pale Dry Sherry

**BEAULIEU VINEYARD**  
486 California St.  
San Francisco, California

Safety Equipment; Face Shields; Grinder & Inspection Shields; Safety Clothing; Vacuum Lifters

**THE BOYER-CAMPBELL COMPANY**  
6540 Antoine Street  
Detroit, Michigan

Excelsior; Burlap; Cotton Batts; Saddlery Supplies; Cotton Tufts and Yarns

**F. BURKART MFG. COMPANY**  
4000 North Second Street  
St. Louis, Missouri

Canned Brick-Oven Baked Beans; Pork and Beans; Brown Bread; Corn; Fish Flakes and other Canned Foods

**BURNHAM & MORRILL COMPANY**  
Box 1871  
Portland, Maine

All types of wooden packages and crates, including Wirebound, Plywood and regular Nailed Boxes, both made up and K.D.

**CHICAGO MILL AND LUMBER COMPANY**  
111 West Washington St.  
Chicago, Illinois

Preserves — Marmalades; Soups—Stews; Pickles — Relishes; Tomato Products; Date & Nut Bread, etc.

**THE CROSSE & BLACKWELL COMPANY**  
6801 Eastern Avenue  
Baltimore, Maryland

Energine Cleaning Fluid; Energine Shoe White; Energine Lighter Fluid; Energine Window Cleaner; Diamond Tints and Dyes

**THE CUMMER PRODUCTS CO.**  
Bedford, Ohio

#### Beer

**DICK BROTHERS BREWING COMPANY**  
1001 York Street  
Quincy, Illinois

Ditto Gelatine & Liquid Duplicators; Ditto Rolls & Films; Ditto Inks; Ditto Pencils; Ditto Ribbons; Ditto Carbon; Ditto Paper

**DITTO, INC.**  
2243 W. Jackson Blvd.  
Chicago, Illinois

Doughnut Flour; Cake Flours; Pancake Flour; Chocolate Pudding; Biscuit Flour; etc.

**FIXT PRODUCTS DIVISION DOUGHNUT CORPORATION OF AMERICA**  
1170 Broadway  
New York, New York

Blue Print Filing Cabinets; Steel & Wood Drawing Tables; Steel & Wood Medical Furniture; Dental Cabinets; Laboratory Furniture

**HAMILTON MANUFACTURING COMPANY**  
Two Rivers, Wisconsin

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Forage and Subsistence (Continued from Page 1087)

*Power Shovels—Skimmer Type; Trenches; Cranes; Draglines—Capacities 1 yd. to 1 1/4 yd.; Water, Oil Well and Blast Hole Drilling Machines and Tools*

**KEYSTONE DRILLER COMPANY**  
Beaver Falls, Pa.

*Flavoring Extracts; Ground Spices; Baking Powder; Dessert Gelatines (Flavored); Beverage Flavorings; Dessert Powders*

**McCONNON & COMPANY**  
Winona, Minnesota

*Burglar-Proof Vaults and Doors; Safe Deposit Boxes; Lockers; Burglary-Resistive Money Chests; Fire-Resistive Safes; Fire-Resistive Vault Doors; Insulated Letter and Legal Cap File Containers; Safe Repairs; Combination Locks; Time Locks; Safe Deposit Key Locks; Prison Locks*

**THE MOSLER SAFE COMPANY**  
Hamilton, Ohio

### Bakers' Compressed Yeast

**NATIONAL GRAIN YEAST CORPORATION**  
Belleville, New Jersey

*Prince Macaroni & Egg Noodle Products; Prince Tomatoes; Prince Tomato Paste; Prince Noodle Soup; Prince Noodle Dinner*

**PRINCE MACARONI MANUFACTURING CO.**  
Lowell and Boston, Mass.

*Paint Brushes; Varnish Brushes; Kalsomine Brushes*

**J. C. PUSHEE & SONS**  
700 Harrison Avenue  
Boston, Mass.

*Special, Extra Heavy Paper Bags, Waterproofed and otherwise for such commodities as Cement, Gypsum, Lime, Plaster, Sand, Dry Chemicals, Fertilizer and various other products*

**THE RAYMOND BAG COMPANY**  
Middletown, Ohio

**OLD TOPPER ALE; OLD TOPPER LAGER BEER**

**ROCHESTER BREWING CO., INC.**  
770 Emerson St.  
Rochester, N. Y.

*Packers of Dried Fruits, Walnuts and Almonds, California Rice, and Dried Beans*

**ROSENBERG BROS. & COMPANY**

334 California St.  
San Francisco, California

*Cast Iron Castings; Aluminum, Brass Castings; Machine Shop; Heavy Machines made to order; Steel machined accurately*

**TURNER MFG. COMPANY**  
Meeting Street  
Stateville, N. C.

*Disinfectants; Powdered Hand Soap; Floor Maintenance Materials; Insecticides and Paper Towels*

**WEST DISINFECTING COMPANY**  
42-16 West Street  
Long Island City, N. Y.

*Hair Brushes; Military Brushes; Shaving Brushes; Hand Scrub Brushes*

**WHITING-ADAMS COMPANY, INC.**  
700 Harrison Avenue  
Boston, Mass.

### MISC. SUPPLIES FOR NAVY YARDS & STATIONS

*Ovens; Melting Pots; Immersion Heaters; Hotplates; Kitchen Equipment*

**ACME ELECTRIC HEATING COMPANY**  
1217 Washington Street  
Boston, Massachusetts

*Brass, Bronze, Nickel & Aluminum Alloys in Ingot Form; Babbitt; Electric Furnaces*

**THE AJAX METAL COMPANY**  
Frankford Ave. & Richmond St.  
Philadelphia, Pennsylvania

*Stainless Steel; Tool Steel; Electrical Steel; Carbon Strip Steel; Armor Plate*

**ALLEGHENY LUDLUM STEEL CORPORATION**  
2319 Oliver Building  
Pittsburgh, Pa.

### Adding Machines

**ALLEN WALES ADDING MACHINE CORP.**  
444 Madison Avenue  
New York, N. Y.

*Rust-Removing Chemicals; Rust-Proofing Chemicals; Inhibitors for Pickling Acids; Chemicals, Metal Cleaning; Chemicals, Rust-Proofing*

**AMERICAN CHEMICAL PAINT COMPANY**  
Ambler, Pennsylvania

*Gas Meters all types; Gas Pressure Regulators; Orifice Flowmeters all types*

**AMERICAN METER COMPANY**  
General Office  
60 East 42nd Street  
New York, N. Y.

*Armco Galvanized PAINTGRIP Sheets; Armco Flat & Corrugated Galv. Sheets; Armco Stainless Steel Sheets; Armco High Tensile Sheets; Steelox Prefabricated Steel Bldgs.*

**THE AMERICAN ROLLING MILL COMPANY**  
Middletown, Ohio

*Steel Folding Chairs (U. S. Gov't Schedule, Contract Tps. 32634); Barracks & General Purpose Chairs; Auditorium & Stadium Seating; Tables; Tablet Arm Chairs; Classroom Desks*

**AMERICAN SEATING COMPANY**  
Grand Rapids, Michigan

*Spinners and Manufacturers of Cotton Threads for all purposes*

**AMERICAN THREAD COMPANY**  
260 West Broadway  
New York, N. Y.

*Manufacturers of Protective Chain Link and Iron Picket Fences*

**ANCHOR POST FENCE COMPANY**  
Eastern Ave. & Kane Street  
Baltimore, Maryland

*IMPERVO weatherproof cardboard signs, directional markers and displays; R-V-LITE Shatter-proof, flexible, weatherproof substitute for glass; Combining and laminating of fabrics, paper and other roll or sheet material; Eyeletting, wire stitching, stamping and diecutting, lacquer coating and pasting; Special hand assembling and hand finishing work of all kinds; Facilities available for contract or sub-contract.*

**ARVEY CORPORATION**  
3462 North Kimball Avenue  
Chicago, Illinois

### Safety Award Plaques

**L. G. BALFOUR COMPANY**  
Attleboro, Mass.

*Upright Drilling Machines; Gang and Rotating Table Drilling Machines; Honing Machines, Vertical & Horizontal; Combined Boring & Honing Machines for re-conditioning cylinders, etc.*

**BARNES DRILL COMPANY**  
814 Chestnut Street  
Rockford, Illinois

*Pumps, Rotary, Hand and Power Driven*

**BLACKMER PUMP COMPANY**  
1809 Century Ave., S. W.  
Grand Rapids, Mich.

*Power Presses; Hydraulic Presses; High-speed Automatic Presses; Other Metal Working Equipment for Cases, Masks, Fuse Parts, Bombs, Planes, Tanks, etc.*

**E. W. BLISS COMPANY**  
53rd Street & 2nd Avenue  
Brooklyn, New York

*Cold Finished Carbon and Alloy Steel bars to make parts for all kinds of Army and Navy equipment and munitions on Automatic Screw Machines*

**BLISS & LAUGHLIN, INC.**  
Harvey, Illinois

*BEARINGS, oil-less, self lubricating; COMPO OIL RETAINING POROUS BRONZE Bearings; BOUND BROOK GRAPHITED BRONZE Bearings; NIGRUM IMPREGNATED HARDWOOD Bearings; Also—Brass and Bronze Castings*

**BOUND BROOK OIL-LESS BEARING COMPANY**  
Bound Brook, New Jersey

*Safety Equipment; Face Shields; Grinder & Inspection Shields; Safety Clothing; Vacuum Lifters*

**THE BOYER-CAMPBELL COMPANY**  
6540 Antoine Street  
Detroit, Michigan

*Kluge Automatic Press, the B&K formerly Millero Feeder, and the Kluge Feeder*

**BRANDTJEN & KLUGE, INC.**  
Como at Gaultier  
St. Paul, Minnesota

*Marine Doors & Hatches; Deck Houses; Breechings; Stainless Steel Structures; Control Apparatus*

**BREEZE CORPORATIONS, INC.**  
24 South 6th Street  
Newark, New Jersey

*Billiard & Bowling Equipment and Supplies; Bar Fixtures; Soda Fountains; Commercial Refrigerators; Whale-Bone-ite Toilet Seats*

**THE BRUNSWICK-BALKE-COLLENDER CO.**  
623 South Wabash Ave.  
Chicago, Illinois

*Excelsior; Burlap; Cotton Batts; Sisal Insulation; Cotton Tufts and Yarns*

**F. BURKART MFG. COMPANY**  
4900 North Second Street  
St. Louis, Missouri

*MOTOR SERVICING EQUIPMENT Valve Facing Machines; Valve Seat Grinders; Valve Seat Replacement Tools; Cylinder Boring Machines; Main Bearing Line Boring Machines; "Cam" or "Round" Piston Grinders; Torque Indicating Wrenches; Other related items*

**CEDAR RAPIDS ENGINEERING COMPANY OF DELAWARE**  
Cedar Rapids, Iowa

*NUHUB Cast Iron Soil Pipe & Fittings; F. & W. Revent & Drainage Fittings; Essex Steam & Drainage Fittings; Solus Oil & Gasoline Separator; Universal Cast Iron Pipe & Fittings*

**THE CENTRAL FOUNDRY COMPANY**  
386 Fourth Avenue  
New York, N. Y.

*Shoe Repair Machinery & Supplies*  
**CHAMPION SHOE MACHINERY COMPANY**  
3711 Forest Park Ave.  
St. Louis, Missouri

*All types of wooden packages and crates, including Wirebound, Plywood and regular Nailed Boxes, both made up and K.D.*

**CHICAGO MILL AND LUMBER COMPANY**  
111 West Washington St.  
Chicago, Illinois

*Mechanical Leather Products; Oil Seals; Leather Belting; Belt Lacing; Rawhide Mallets and Hammers*

**CHICAGO RAWHIDE MANUFACTURING CO.**  
1301 Elston Avenue  
Chicago, Illinois

*Domestic Coke; Foundry Coke; Coal Tar; Water Gas Tar; Ammonium Sulphate*  
**CITIZENS GAS AND COKE UTILITY**  
49 So. Pennsylvania  
Indianapolis, Indiana

*Steel Castings, one pound to 16,000 pounds; Iron Castings, 1/4 pound to 15,000 pounds*

**THE COMMERCIAL STEEL CASTING COMPANY**  
Marion, Ohio

*"BERG" Concrete Surfacers; Concrete Vibrators; Attachments for grinding, Wire Brushing, Sanding and Polishing*

**THE CONCRETE SURFACING MACHINERY CO.**  
4067-69 Spring Grove Ave.  
Cincinnati, Ohio

*WOOD STAVE PIPE for Domestic Supply Sewers and Drainage. Creosoted and Untreated; WOODEN WATER TANKS for Water Storage or Industrial Purposes*

**CONTINENTAL PIPE MANUFACTURING CO., INC.**  
3904 Woolworth Bldg.  
New York, N. Y.

*Rubber Cloth; Upholstery Material; Leather Cloth; Pyroxylin Cloth*

**COTAN CORPORATION**  
341 Oliver St.  
Newark, N. J.

*Lime; Lime Rock (Road Material); and Concrete Units*

**CUMMER LIME & MFG. CO.**  
Ocala, Florida

*Engine Cleaning Fluid; Engine Shot White; Engine Lighter Fluid; Engine Window Cleaner; Diamond Tints and Dyes*

**THE CUMMER PRODUCTS CO.**  
Bedford, Ohio

*NO-OX-ID Rust Preventives; Boiler Water Treatment; Diesel Cooling Water Treatment*

**DEARBORN CHEMICAL COMPANY**  
310 South Michigan Avenue  
Chicago, Illinois

*Fibre rugs; Low Priced Floor Covering*

**DELTOX RUG COMPANY**  
25 Wisconsin Ave.  
Oshkosh, Wisconsin

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Misc. Supplies for Navy Yards & Stations

(Continued from Page 1088)

**Ditto Gelatine & Liquid Duplicators;**  
**Ditto Rolls & Films; Ditto Inks; Ditto**  
**Pencils; Ditto Ribbons; Ditto Carbon;**  
**Ditto Paper**

**DITTO, INC.**  
2243 W. Jackson Blvd.  
Chicago, Ill.

**BRUSHES, Bristle & Wire for Industrial**  
**purposes; FILES, Precision, Swiss pattern;**  
**Dental Tools & Supplies; Jewelers' Tools**  
**& Supplies; Opticians' Tools & Supplies**

**WILLIAM DIXON, INCORPORATED**  
15-36 E. Kinney Street  
Newark, N. J.

**Manufacturers and Distributors of Sheet,**  
**Tube, Pipe, Wire, Rod, Brass, Copper,**  
**Bronze**

**DOWNS-SMITH BRASS & COPPER**  
**CO., INC.**  
104-320 East 45th Street  
New York, N. Y.

**BRACKES, Sheet Metal Bending; BRACKES,**  
**Hand & Power; BRACKES, Press; DIES,**  
**Press Brake; MACHINERY, Sheet Metal**  
**Working**

**DREIS & KRUMP MFG. CO.**  
70th & Loomis Streets  
Chicago, Illinois

**FINE WRITING PAPERS—for social and**  
**business use; HIGHLAND Writing Pa-**  
**pers**

**EATON PAPER CORPORATION**  
Pittsfield, Massachusetts

**Folding Wood Boxes for Commissary**

**JOHN G. ELBS, INC.**  
1071 Jay Street  
Rochester, N. Y.

**Motor-Generator Sets; Electric Arc Weld-**  
**ing; Electroplating Sets; Synchronous**  
**Motors; Anodic Treatment Sets**

**THE ELECTRIC PRODUCTS**  
**COMPANY**  
1225 Clarkstone Road  
Cleveland, Ohio

**Paint Spraying Equipment; Spray Guns;**  
**Air Compressors; Insecticide Sprayers;**  
**Floor Sanders**

**THE ELECTRIC SPRAYING CO.**  
Sheboygan, Wisconsin

**Valves; Unions; Hand Trucks; Wheel-**  
**barrows; Rubber Tired Wheels**

**THE FAIRBANKS COMPANY**  
101 Lafayette St.  
New York, N. Y.

**Automotive Radiators; Airplane Engine &**  
**Oil Cooling Equipment; Unit Heaters &**  
**Heating & Cooling Coils; Refrigeration &**  
**Air Conditioning Coils & Valves**

**PEDDERS MANUFACTURING COM-**  
**PANY, INC.**  
57 Tonawanda Street  
Buffalo, New York

**WOOD STAVE PIPE for Domestic Sup-**  
**ply, Sewers and Drainage, Creosoted and**  
**Untreated. WOODEN WATER TANKS**  
**for Water Storage or Industrial purposes**

**FEDERAL PIPE AND TANK COM-**  
**PANY**  
4851 E. Marginal Way  
Seattle, Wash.

**Precision Measuring Dial Indicators and**  
**Gages**

**FEDERAL PRODUCTS CORPORA-**  
**TION**  
114 Eddy Street  
Providence, R. I.

**Refrigerated Display Cases; Walk-in**  
**Boxes; Milk Cabinets, etc.; Sheet Metal**  
**Products**

**FLEETWOOD CRAFTSMEN, INC.**  
Fleetwood, Pennsylvania

**Heat Treating Furnaces; Normalizing**  
**Furnaces; Melting Furnaces; Annealing**  
**Ovens; Suspended Arches**

**FRAZIER-SIMPLEX, INC.**  
436 East Bean Street  
Washington, Pennsylvania

**Wheelbarrow Wheels, Rubber Tired; Cart**  
**& Truck Wheels, Rubber Tired; Portable**  
**Equipment Wheels, Rubber Tired; Airport**  
**Wheels, Rubber Tired**

**FRENCH & HECHT, INC.**  
523 East Third Street  
Davenport, Iowa

**Aircraft Wire—Power & Lighting Sys-**  
**tems; Aircraft Wire—Communication Sys-**  
**tems; Battery Chargers; Cable, Shipboard;**  
**Cable, Motor lead; Rectifier bulbs,**  
**(Tungar); Rectifiers, Copper Oxide; Rec-**  
**tifiers, Bulb-type (Tungar); Wire, Mag-**  
**net; Wire, Fire-proof insulated**

**GENERAL ELECTRIC COMPANY**  
Appliance & Merchandise Dept.  
Bridgeport, Connecticut

**Shaft Couplings—Flexible—for motors 1/4**  
**H. P. or less**

**GUARDIAN UTILITIES CO.**  
215 E. Michigan St.  
Michigan City, Indiana

**Blue Print Filing Cabinets; Steel & Wood**  
**Drawing Tables; Steel & Wood Medical**  
**Furniture; Dental Cabinets; Laboratory**  
**Furniture**

**HAMILTON MANUFACTURING COM-**  
**PANY**  
Two Rivers, Wisconsin

**Fire Brick (Various Types); Insulating**  
**Fire Brick; Refractories; Acid-Proof**  
**Brick, and High Temperature Bonding**  
**Mortars**

**HARBISON-WALKER REFRAC-**  
**TORIES CO.**  
1800 Farmers Bank Bldg.,  
Pittsburgh, Pa.

**Resistors & Rheostats**

**HARDWICK, HINDLE, INC.**

40 Hermon St.

Newark, New Jersey

**The Hilco Oil Reclaimer; Hilliard Over**  
**Running Clutches; Hilliard Single Revolu-**  
**tion Clutches; Hilliard Friction Clutches;**  
**Hilliard Centrifugal Clutches**

**THE HILLIARD CORPORATION**  
125 West Fourth Street  
Elmira, New York

**Micro-Weave All American Tracing Cloth**  
**THE HOLLISTON MILLS, INC.**  
Norwood, Mass.

**Wooden Boxes; Veneer Boxes; Building**  
**Material; Hardwoods; Yellow Pine and**  
**White Pine Lumber**

**HUTTON & BOURBONNAIS CO.**  
Hickory, N. C.

**Hyatt Roller Bearings**

**HYATT BEARINGS DIVISION**

General Motors Sales Corp.

Harrison, New Jersey

**Flint Abrasives; FLINTBRASIVE (Air**  
**Blasting Abrasive); Tripoli (Silica);**  
**Limestone (Calcium); Dolomite**

**INDEPENDENT GRAVEL COMPANY**  
P. O. Box 826  
Joplin, Missouri

**Skid Platforms; Wooden Boxes; Ware-**  
**house Trucks**

**IRONBOUND BOX & LUMBER CO.,**  
**INC.**  
46 Hoffman Place  
Hillside, N. J.

**Boiler Gages & Gage Valves, Trycocks,**  
**etc.**

**JERGUSON GAGE & VALVE CO.**  
87 Fellway  
Somerville, Mass.

**Tachometers (Portable); Tachometers**  
**(Fixed Type); Electric Portable Drills**  
**(Light Duty)**

**JONES MOTROLA SALES COMPANY**  
432 Fairfield Avenue  
Stamford, Conn.

**Power Shovels—Skimmer Type; Trench-**  
**oes; Cranes; Draglines—Capacities 1 yd.**  
**to 1 1/4 yd.; Water, Oil Well and Blast**  
**Hole Drilling Machines and Tools**

**KEYSTONE DRILLER COMPANY**  
Beaver Falls, Pa.

**GAUGES—Liquid Level (Telegage) now**  
**KING-GAGE**

**KING TELEGAGE CORPORATION**  
1182 Broadway  
New York  
Factory, King Engineering Corp.  
Ann Arbor, Michigan

**Drapery Hardware; Linoleum Hardware;**  
**Carpet Hardware; Hand-Operated Stage**  
**Curtain Tracks; I-Beam Drapery Rail and**  
**Fixtures**

**THE KRODER REUBEL COMPANY,**  
**INC.**  
556 Meeker Ave.  
Brooklyn, New York

**Imperial Ester Gum and all types of Syn-**  
**thetic Resins**

**JOHN D. LEWIS, INCORPORATED**  
68 Travers St.  
Providence, R. I.

**Gladstone; Vitrolite Structural Glass; Pol-**  
**ished Plate Glass; Quality Window Glass;**  
**Hi-Test Safety Plate Glass; Tuf-Flex Tem-**  
**pered Plate Glass; Vitrolux Color Fused**  
**Tempered Plate Glass; Extrudalite Store**  
**front Metal; Aklo Plate Glass; Thermo-**  
**lux; Thermopane**

**LIBBEY-OWENS-FORD GLASS COM-**  
**PANY**  
Nichols Bldg.  
Toledo, Ohio

**Air, Electric, and Hand-Operated Grease**  
**Guns; KLEENSEAL Push-Type, Pin-**  
**Type, and Button Head Grease Fittings**

**LINCOLN ENGINEERING COMPANY**  
5701 Natural Bridge  
St. Louis, Missouri

**Untreated and Treated Pine and Fir Lum-**  
**ber; Untreated and Treated Poles; Un-**  
**treated and Treated Piling; Untreated and**  
**Treated Posts; Untreated and Treated**  
**Ties**

**THE LONG-BELL LUMBER CO.**  
R. A. Long Bldg.,  
Kansas City, Mo.

**Wood Desks, Tables & Household**  
**Furniture**

**LYCOMING FURNITURE**  
**INDUSTRIES**  
1201 West 3rd Street  
Williamsport, Pa.

**Hoists**

**McCOLLUM HOIST & MFG. CO.**  
Downers Grove, Ill.

**Chains, Automobile Tire; Chains, Marine;**  
**Chains, welded & weldless; Electrodes;**  
**Arc Welding Electrodes, Mild Steel,**  
**Stainless**

**THE McKAY COMPANY**  
Grantley Road  
York, Pa.

**Cold Headers; Bolt Head Trimmers;**  
**Screw Thread Rollers; Screw Slotters;**  
**Cold Nut Blankers**

**THE E. J. MANVILLE MACHINE**  
**COMPANY**  
574 East Main Street  
Waterbury, Connecticut

**Nitralloy Products; Lapped Assemblies;**  
**Diesel Engine Parts; Aviation Engine**  
**Parts; Ground Thread Parts**

**THE MARQUETTE METAL**  
**PRODUCTS COMPANY**  
1145 Galewood Drive  
Cleveland, Ohio

**VICE STANDS—For Cutting, threading**  
**and bending pipe or conduit**

**H. P. MARTIN & SONS**  
12th & Elm Streets  
Owensboro, Ky.

**Pressure Regulators; Air Operated Control**  
**Instruments; Recording Thermometers—**  
**Pressure Gages & Flow Meters; Liquid**  
**Level Controllers; Control Valves**

**MASON-NEILAN REGULATOR**  
**COMPANY**  
1185 Adams Street  
Boston, Mass.

**Meehanite Metal**

**MEEHANITE METAL CORPORATION**  
311 Ross Street  
Pittsburgh, Pennsylvania

**Mentholatum Ointment; Mentholatum**  
**Brushless Shave**

**THE MENTHOLATUM COMPANY**  
Foot of West Street  
Wilmington, Delaware

**Fire Brick; Plastic, Fire Brick (MONO**  
**FIBRIK); Mortar, High Temperature**  
**(HILOSET); Castable, Refractory Con-**  
**crete (FURNAS CRETE); Refractories**

**MEXICO REFRACTORIES COMPANY**  
Mexico, Missouri

**Oxy-Acetylene Welding and Cutting**  
**Torches; Welding & Cutting Equip.;**  
**Paint Spray Equip.; Gas Regulators;**  
**Portable Carbide Lights**

**THE ALEXANDER MILBURN CO.**  
1416-28 W. Baltimore St.  
Baltimore, Maryland

**Price Marking Machines; Pin Tickets;**  
**String Tags; Gummed Labels**

**MONARCH MARKING SYSTEM CO.**  
216 S. Torrence St.,  
Dayton, Ohio

**Cotton Bedspreads—Dimities, Crochets,**  
**Piques, Satins and Berth Spreads**

**MONUMENT MILLS**  
Housatonic, Mass.

**Steel & aluminum ladder & safety treads;**  
**Steel & aluminum doors & frames. Steel**  
**medicine cabinets; Corrugated steel floor-**  
**ing; Steel & aluminum pressings of all**  
**kinds**

**MORTON MANUFACTURING**  
**COMPANY**  
5103-43 West Lake Street  
Chicago, Illinois

**Burglar-Proof Vaults & Doors; Safe De-**  
**posit Boxes; Lockers; Burglary-Resistive**  
**Money Chests; Fire-Resistive Safes; Fire-**  
**Resistive Vault Doors; Insulated Letter &**  
**Legal Cap File Containers; Safe Repairs;**  
**Combination Locks; Time Locks; Safe**  
**Deposit Key Locks; Prison Locks**

**THE MOSLER SAFE COMPANY**  
Hamilton, Ohio

**Malleable Iron Castings—All kinds;**  
**Patterns**

**MUNCIE MALLEABLE FOUNDRY**  
**COMPANY**  
Muncie, Indiana

**Copper—Wire Bar, Ingots; Brass & Bronze**  
**—Ingots & Billets; Solder—all grades**

**NASSAU SMELTING & REFINING**  
**COMPANY, INC.**  
Tottenville, S. I., N. Y.

## FOR THE ATTENTION OF PURCHASING OFFICERS OF THE SERVICES AND THE C. C. C.

The Firms listed below, were carefully selected, have high standing in their respective lines, and deserve consideration. All purchasing officers are respectfully urged to take advantage of the opportunity business with them would offer for the Government.

### Misc. Supplies for Navy Yards & Stations

(Continued from Page 1089)

*Copper in Sheets, Strips and Rolls, All Sizes & Finishes*

**NATIONAL BRASS & COPPER COMPANY, INC.**  
Lisbon, Ohio

*Sewing Machines; Screw Mach. Products; Taper Pins; Grey Iron Castings; Special Machines to specifications*

**NATIONAL SEWING MACHINE CO.**  
Belvidere, Ill.

*Diesel Engines—Stationary & Marine*

**THE NATIONAL SUPPLY CO.**  
Superior Engine Division  
Springfield, Ohio

*PUMPS: Steam and Power, Reciprocating and Rotary; Bilge and Ballast; Fuel Oil Burner and Transfer; Lubricating; Boiler Feeding; Fire Protection (Approved)*

**NATIONAL TRANSIT PUMP & MACHINE CO.**  
19 North Petroleum St.  
Oil City, Pennsylvania

*Wooden Boxes Shooks or Assembled; Lock Corner Boxes; Wirebound Boxes; Cleated Plywood Boxes; Special Designs*

**THE NEW ENGLAND BOX COMPANY**  
100 East 42nd Street  
New York, N. Y.

*Dyers, Finishers and Waterproofers of Cotton Duck and Drill up to 72"*

**OHIO FALLS DYE & FINISHING WORKS**  
P. O. Box 566  
Louisville, Kentucky

*Cypress; Fir; Ponderosa; Redwood; Red Cedar*

**OSCEOLA CYPRESS COMPANY**  
Osceola (Seminole Co.), Fla.

*Lumber*

**OZAN LUMBER COMPANY**  
Prescott, Arkansas

*School Desks and Tables; Opera Chairs; Portable Assembly Chairs; Folding Chairs*

**THE PEABODY SEATING COMPANY**  
North Manchester, Indiana

*Tubing, Flexible Metal; Hose, Flexible Metal; Exhaust Pipes, Flexible Metal; Rivet Passers, Pneumatic; Barrel Fillers, Automatic*

**PENNSYLVANIA FLEXIBLE METALLIC TUBING CO.**  
72nd & Powers Lane  
Philadelphia, Pa.

*Silica Sand*

**PENNSYLVANIA GLASS SAND CORPORATION**  
Lewistown, Pennsylvania

*Silica Mold Wash; Silica Flour; Silica, All Types*

**PENNSYLVANIA PULVERIZING COMPANY**  
Lewistown, Pennsylvania

*Van Heusen Shirts; Van Heusen Pajamas; Van Heusen Neckwear; Van Heusen Collars*

**PHILLIPS-JONES CORPORATION**  
1225 Broadway  
New York, N. Y.

*Gaskets, All Styles and Shapes; Washers, Any Size and Thickness; Sheet Metal; Valves; Dies & Tools*

**PHOENIX SPECIALTY MANUFACTURING CO., INC.**  
135-157 Wooster Street  
New York City, N. Y.

*Tight Wooden Kegs & Barrels; Wooden Water Coolers; Railroad Water Kegs; Harvest Kegs; Wooden Well Buckets*

**PIONEER COOPERAGE COMPANY**  
2212 De Kalb Street  
St. Louis, Mo.

*Lumber & Lumber Products; Dimension Hardwood; Wood Turnings; Tent Stakes, Etc.*

**THE PIQUA MUNISING WOOD PRODUCTS CO.**  
1439 Union Commerce Bldg.  
Cleveland, Ohio

*Bolt Clippers; Wire Cutters; Cable Cutters; Pruning Tools; Body Repair Tools*

**H. K. PORTER, INC.**  
6 Ashland Street  
Everett, Mass.

*Steel Castings; Coil Springs; Forgings*

**PRATT & LETCHWORTH COMPANY, INC.**  
189 Tonawanda Street  
Buffalo, New York

*Paint Brushes; Varnish Brushes; Kalsomine Brushes*

**J. C. PUSHEE & SONS**  
700 Harrison Avenue  
Boston, Mass.

*"PYROMETERS" (Optical, Immersion, Radiation, Surface)*

**THE PYROMETER INSTRUMENT COMPANY**  
103 Lafayette Street  
New York City, N. Y.

*Chain Drives, Sprockets & Chains; Couplings, Flexible Chain; Clutches, Taper roll non-friction; Castings, Gray Iron*

**RAMSEY CHAIN COMPANY, INC.**  
1015 Broadway  
Albany, New York

*Special, Extra Heavy Paper Bags, Waterproofed and otherwise for such commodities as Cement, Gypsum, Lime, Plaster, Sand, Dry Chemicals, Fertilizer and various other products*

**THE RAYMOND BAG COMPANY**  
Middletown, Ohio

*Deck Machinery; Steel Crawlers; Traction Treads*

**W. A. RIDDELL CORPORATION**  
Bucyrus, Ohio

*Shipping boxes or cases (wooden) for ammunition, guns and miscellaneous; Sash, doors, frames and millwork; Woodwork of special and miscellaneous character*

**ROACH & MUSSER COMPANY**  
Muscatine, Iowa

*Quality Gas Ranges; Quality Electric Ranges*

**ROBERTS & MANDER STOVE COMPANY**  
237 Jacksonville Rd.  
Hathboro, Pennsylvania

*Asbestos Protected Metal; Cellular Steel Floor; Ventilators (roof); Skylights (weatherproof)*

**H. H. ROBERTSON COMPANY**  
2400 Farmers Bank Bldg.  
Pittsburgh, Pa.

*Belt Conveyors; Bucket Elevators; Screens, Vibrating; Grab Buckets; Hoisting Equipment*

**ROBINS CONVEYING BELT COMPANY**  
270 Passaic Avenue  
Passaic, New Jersey

*Blue Ribbon Playing Cards; Battle Axe Playing Cards; Torpedo Playing Cards; Gladstone Playing Cards; Arden Playing Cards*

**RUSSELL PLAYING CARD CO., INC.**  
200 - 5th Avenue  
New York, N. Y.

*Railroad Freight Cars; Railroad Passenger Cars; Military Tanks; Trackless Trolley Coaches; Electric Surface Subway and Elevated Cars*

**ST. LOUIS CAR COMPANY**  
8000 North Broadway  
St. Louis, Mo.

*Porcelain Insulating Beads; Refractory Oxide Shapes; Pyrometer Tubes; Thermocouple Wire Insulators; Porcelain Insulating Tubes; Steatite Porcelain; Titanium Oxide Shapes*

**SAXONBURG POTTERIES**  
Saxonburg, Pennsylvania

*Hospital Sterilizers; Operating Tables; Operating Room Lights; Operating Room Equipment; Surgical Sutures*

**SCANLAN-MORRIS COMPANY**  
Madison, Wisconsin

*CANDY*

**W. F. SCHRAFFT & SONS CORPORATION**  
Sullivan Square  
Charlestown,  
Boston, Mass.

*Sellers Kitchen Furniture; Kitchen Cabinets; Breakfast Sets; Kitchen Tables; Base Cabinets*

**G. I. SELLERS & SONS CO.**  
Elwood, Indiana

*Marvels*

**STEPHANO BROTHERS**  
1014-20 Walnut Street  
Philadelphia, Pa.

*Engines—Gasoline Marine; Engines—Gasoline Stationary; Engines—Gasoline Tractor; Engines—Generator Sets; Engines—Pumping Sets*

**STERLING ENGINE COMPANY**  
1252-74 Niagara Street  
Buffalo, New York

*KING EDWARD, 2 for 5c CIGARS*

**JNO. H. SWISHER & SON, INC.**  
16th & Ionla Sts.  
Jacksonville, Florida

*MICA*

**TAR HEEL MICA COMPANY**  
Plumtree, N. C.

*Cast Iron Castings; Aluminum Brass Castings; Machine Shop; Heavy Machines made to order; Steel machined accurately*

**TURNER MANUFACTURING COMPANY**  
Meeting Street  
Statesville, N. C.

*Sectional Steel Clad Walk-In Coolers; Welded Steel Reach-In Wall Refrigerators; Welded Steel Dry-Kold Beverage Coolers; Welded Steel Refrigerator Display Cases; Steel Food Store Equipment*

**TYLER FIXTURE CORPORATION**  
1500-1100 Wayne Street  
Niles, Michigan

*Cotton Wadding & Batting; Cotton Wadding for Bandages in Rolls cut to size; Colored Wadding for use as padding in uniforms; Cotton Wadding and Cotton Batting for Hospital Use*

**UNION WADDING COMPANY**  
Pawtucket, R. I.

*Bronze Tablets; Plaques; Signs; Letters; Name Plates*

**UNITED STATES BRONZE SIGN COMPANY, INC.**  
570 Broadway  
New York City, N. Y.

*Non-ferrous Metals—wire and seamless tubes*

**UNITED WIRE AND SUPPLY CORPORATION**  
1497 Elmwood Avenue  
Providence, R. I.

*Buttons, and Fasteners, and Metal parts, and Automatic machines supplied on lease for attaching buttons & fasteners*

**UNIVERSAL BUTTON FASTENING AND BUTTON COMPANY**  
2250 Fort St., West  
Detroit, Michigan

*Disinfectants; Insecticides; Deodorants (Blocs or Liquid); Soap Dispensers (Liquid or Powder); Soap (Liquid, Powdered or Soft)*

**U. S. SANITARY SPECIALTIES CORP.**  
435 S. Western Ave.,  
Chicago, Illinois

*Meat Slicers; Bread Slicers; Roll Slicers; Meat Tenderizers*

**U. S. SLICING MACHINE COMPANY**  
La Porte, Indiana

*Taps and Dies*

**VERMONT TAP & DIE CORPORATION**  
Lyndonville, Vermont

*Enameled Steel; Stainless Steel and Cast Iron Ware*

**THE VOLLRATH COMPANY**  
Sheboygan, Wisconsin

*Corrosion Resistant Alloys; Abrasion Resistant Alloy; Special Castings; Hard-facing Welding Rod*

**WALL-COLMONOY CORPORATION**  
636-7 Buhl Building  
Detroit, Michigan

*Hair Brushes; Military Brushes; Shaving Brushes; Hand Scrub Brushes*

**WHITING-ADAMS COMPANY, INC.**  
700 Harrison Avenue  
Boston, Mass.

*Manufacturers of Tapes, Bindings and Narrow Fabrics*

**WILLIAM D. WEIMAR, Successor to Weimar Brothers**  
2045-48 Amber Street  
Philadelphia, Pa.

*Disinfectants; Powdered Hand Soap; Floor Maintenance Materials; Insecticides and Paper Towels*

**WEST DISINFECTING COMPANY**  
42-16 West Street  
Long Island City, N. Y.

*All forms of Chemical Lime and Limestone*

**WHITEROCK QUARRIES**

Bellefonte, Pennsylvania

*Wire Nails*

**WICKWIRE BROTHERS, INC.**  
Cortland, New York

*Steel Tanks—air, water and oil; Water Heaters; Range Boilers; Special Steel Containers*

**JOHN WOOD MANUFACTURING COMPANY, INC.**  
Conshohocken, Pennsylvania

## Training Workers for Defense

By AUBREY WILLIAMS  
Administrator National Youth  
Administration

THE National Youth Administration's program is being rapidly geared to the plans for national defense. The first step, now under way, is the transfer of as many NYA workers as possible into projects that will provide them with basic mechanical training. How many young people will eventually be employed on such projects depends upon what part the NYA plays in the newly proposed youth training program; but it is estimated that at least 450,000 young men and women, if not many more, could readily be assisted.

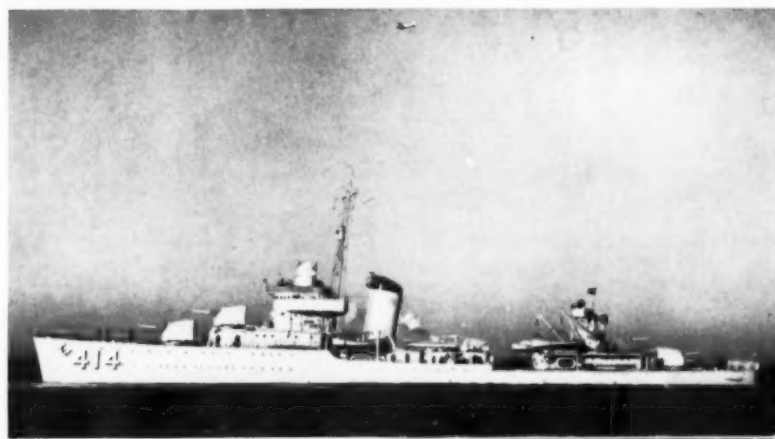
During the last few years the National Youth Administration has been operating an extensive program of shop, metal and construction work. As of May 20, out of a total of 281,500 NYA workers, approximately 80,000 young people were employed in 43 different industrial occupations including construction; while 32,500 production workers were engaged in operations ranging from sewing and canning to quarry work and woodcutting. In addition, 97,000 NYA youth were employed in clerical and other service work, including 2,000 butchers, bakers, cooks, and chefs; 25,000 were agricultural and conservation workers; 17,000 were professional and technical workers; and 18,000 were unskilled laborers.

Mechanical aptitude tests are now being given to most of these workers so as to discover which are best qualified either for jobs or for training in the mechanical field. It is believed that this large group of young people, who did not have the resources to attend regular trade schools, represents a huge untapped reservoir which should be directed into mechanical pursuits of great value to the nation. Last winter these tests—which were standardized by the Navy and the Tennessee Valley Authority—were given to some 13,500 young men engaged in shop work. About half of these workers made scores that indicated a strong probability that they would be successful in metal and mechanical work, if given adequate training.

The National Youth Administration has never given regular vocational training on its projects, but instead has been providing the youth, first, with an exploratory work experience that would help them find out what occupation was most suited to their interests and aptitudes and, second, with well-rounded basic skills that would be an asset to the youth regardless of what specific job within a general occupation they finally entered. About 70 per cent of the young men and quite a large number of the young women now employed by the NYA are thus receiving a well-rounded work experience and pre-apprentice training of a type needed in aviation, ship, factory and construction work.

Approximately 40,000 of these NYA workers are employed in work shops located in every State in the union. They are receiving instruction and practical experience in four major workshop categories—blueprint reading, shop practice, shop theory, and job analysis. More specifically, several thousand young men are being employed in the field of sheet metal work. Since 60 per cent of the aircraft industry's employees are semi-skilled and the majority of these are sheet metal workers, youth getting work experience in this field have a good opportunity of obtaining jobs. A detailed technical pamphlet on aircraft metal work has been prepared and distributed to NYA project supervisors for use in setting up their training programs.

A number of the NYA's resident centers and local projects provide at least some specific aviation mechanics training. Some of these projects are sponsored by either the U. S. Army Air Corps, U. S. Naval Air Bases, or the National Guard. Nearly 500 young men, for example, are employed on projects, sponsored by the Air Corps, located at the Fairfield Air Depot and Wright Field in Ohio, and at the Middletown, Pennsylvania, Army Air Depot. A U. S. Army Air Corps Post is sponsoring a project in Mt. Clemens, Michigan, which is employing as many as 150 youth in the field of aviation mechanics. And the U. S. Naval Air Base at Minneapolis is also sponsoring a project that is employing 10



young men.

In Wisconsin, the vocational schools of Cudahy, West Allis, and South Milwaukee and the Milwaukee County Board of Supervisors are sponsoring an NYA aviation project. This project is centered in the No. 1 hangar of the county airport. The 65 young men are divided into two groups, each spending two days at work in the hangar repairing motors, propellers, magnetos and almost every kind of airplane instrument; two days of project work at the airport; and one day in their respective vocational schools studying subjects related to aviation. They attend classes in their day at school which include mathematics, drafting, sheet metal work, machine shop practices, welding, woodworking, and electricity. Besides this instruction, half their day in the hangar is also spent in discussing the problems arising from the rebuilding of motors and the study of their construction. The time the young men have put in since the program began in December is counted toward the 1,650 hours needed for a mechanic's license. Each boy will qualify for this license after 18 months of training.

The experience in radio work, which many NYA youth are receiving, will also be helpful to the communications phase of the national defense program. With projects in twenty-two States participating—one of these States having eleven stations—the NYA has set up a nationwide network of shortwave radio stations. These should prove of invaluable assistance in time of emergency, as was shown by the services rendered by several NYA stations in Georgia during a recent hurricane. The radio work experience obtained by NYA employees has not, however, been confined to their work on the projects. After working hours radio clubs have been set up; the members of which have purchased their own equipment, assembled the transmitting and receiving sets, and gained the training and experience necessary to qualify them for an FCC amateur license.

Another NYA activity essential to the national defense has been the institution, through State and local cooperation, of physical examinations and periodic check-ups. All the young people entering resident centers are required to take physical examinations. Whenever necessary, special follow-up treatments have been provided. The youth on local projects also receive such examinations but only where the local facilities allow. It is planned, nevertheless, to expand this, as a defense measure, so as to include all NYA workers.

It is still too early to say exactly how the National Youth Administration will fit into the tremendous youth training program that has been proposed. The NYA provides, however, a unique type of training—productive work integrated with related information—that can be rapidly expanded. It has facilities in the form of 1,000 local NYA work shops and another 1,000 shops owned by public co-sponsors in which employment could be doubled by putting on extra shifts and working during part of the night as well as in the day time. It also has many resident centers—some of which are very large such as Quoddy Village in Maine with a present enrollment of 525—that could also double their enrollment. The



Rear Adm. Ferdinand L. Reichmuth, USN, who has been ordered to fill the new post of commander of Destroyers, Atlantic Squadron, possibly the first step towards creation of an Atlantic Fleet. Above is the new destroyer Russell which will be Admiral Reichmuth's flagship until 15 July, when he transfers to the USS Sampson.

National Youth Administration is thus ready to play whatever part is assigned to it in the new measures that are now being planned to build up the nation's defenses.

## The A. F. of L. and Defense

BY WILLIAM GREEN

President, American Federation of Labor

SINCE 1917, the American Federation of Labor stands pledged to the Nation for service to our Republic. In this machine age, our skilled experienced workers are necessary whether for war or peace. We are needed in the making of machine tools, machines, and in all the processes of the production line. We are needed for the maintenance of our machines in production, for operation of trucks for transportation in commerce, and tanks and machine guns in the battlefield. Warfare as well as production has been mechanized.

Practically all unions affiliated to the American Federation of Labor require as a condition of membership that workers be citizens of this Republic. With this guarantee of loyalty we are able to offer loyal service for maintenance of the ideals of this democratic country. Our international unions in the metal industries are making surveys of their membership to be able to furnish workers as required for defense production. The unions will classify workers as immediately available, workers in need of opportunity to adjust their experience to improved technical processes, and workers with specialized experience who could most readily become skilled workers, and those best adapted to apprentice training.

As yet there is no scarcity of man power. When the production program is ready, we shall be ready to help mobilize workers. We offer loyal, active cooperation to the Nation, fully aware of our responsibilities and our obligations.

## What Naval Appropriations Mean to American Industry

By REAR ADM. RAY SPEAR, (SC), USN  
Chief, Bureau of Supplies and Accounts

UNDER the current naval appropriation acts, which include emergency items necessary in national defense, there will be available large sums of money to carry out the expansion and operating program of the Navy Department. As in past years, practically every dollar appropriated for this purpose will benefit some portion of American industry.

The sustained purchasing power provided by the appropriations for the pay of officers, enlisted, and civil personnel, because it is indirect, is probably most frequently overlooked; yet the resulting capacity for the purchase of consumer goods is spread throughout the country.

By far, the greater proportion of appropriated funds will be required for the augmentation, maintenance, and operation of the material resources of the naval establishment. The construction of new vessels will require enormous expenditures and the direct benefits which will accrue to industry from this building program are readily recognized. The effects will extend far beyond the shipbuilding and the steel industries, in the process of obtaining the wide range of materials essential to build and commission these new vessels.

The aviation, petroleum and allied industries benefit not only from the contracts in which directly or indirectly, they may participate, but also as a result of the experimental and development work which the Navy will be able to continue.

While the amounts which the Navy will expend for the construction of new vessels and for the continuation of its aviation program will provide direct and readily apparent assistance to American industry, they comprise only a part of the total program for the next fiscal year.

Millions will be expended on the shore station program of the Navy during the year. This includes the new bases authorized by the Congress, providing the very necessary and additional and more modern facilities at navy yards and naval stations.

It is readily apparent that a large part of the money appropriated will be of direct and immediate benefit to those industries which will supply the necessary building materials, machinery, and equipment involved in this program.

Great expenditures for more widely varied types of materials will be required for repairs and alterations to vessels, and for the operation of the ships and the shore establishment of the Navy. A large part of the nation's industry will participate in producing the many thousands of commercial and special items which will be required during this period. The purchases to be made to provide the great variety of technical materials, as well as commercial products, including medical supplies, provisions, fuel, etc., will benefit industries in every state of the nation.

It is true that every state contributes in some measure materials and supplies which are used in the construction of vessels for the Navy. It is the general opinion that, because these vessels are built necessarily at sea-coast or tide-water shipyards, the materials used in construction come from the immediate vicinity, but such is not the case. The productions by the various states reach these shipyards by direct shipment or through a series of processed productions, either within the state or through another state.

Machinery of almost every description is manufactured in many states; however, the raw materials or the many finished products which go into the complete machinery may come from a number of localities. This is not because of any desire of the constructing organization to spread the supply load around the country for any definite reason, but rather the result of a unique situation, that every state can and does produce something necessary in construction.

It is for these many reasons, therefore, that the States of the Nation in their own vital interest are cognizant of the widespread distribution of "Navy money" to American industry.

## FINANCE

### Defense with Merchant Ships

BY REAR ADM. EMORY S. LAND,  
USN (Ret.)

Chairman, United States Maritime Commission

THE Navy's necessary auxiliary force of merchant ships is being strengthened by the Maritime Commission schedule of approximately a launching a week.

Preparedness for our merchant marine started in 1936 when a new merchant marine act was passed. In 1938 began the program for building 50 merchant ships a year for the next ten years, or 500 ships.

Foreseeing the war last summer, the Commission advanced the program and is now some 30 to 40 ships ahead of schedule.

In figures, there are 159 ships built or building. There are 37 new vessels already in operation; 13 more have been launched and will soon be completed. The others will be launched at the rate of approximately one a week.

Last August, President Roosevelt wrote:

"... I am particularly thankful for this good work by the Maritime Commission at the present moment. The tense state of the international situation makes it particularly desirable that we have a merchant fleet capable of carrying our commerce if and when foreign ships are withdrawn, and, should the unfortunate necessity arise, of serving as the necessary supply force for naval vessels. You and I know, from our work during the War, the disabilities of a Navy which lacks an adequate merchant fleet. With all its enormous potential combat power, such a Navy is tied to its land bases..."

Merchant ships carry supplies, food and repair equipment. They can serve as submarine tenders and hospital ships. Some can be armed and used for patrol duty. But equally important, they carry the essential raw materials necessary to the industrial effort of defense against armed forces.

As to quality, it is not a jingoistic boast to say that they are the best merchant ships in the world. The medium-sized freighter known as the C-2 type, has set a world's record for economy in operation and is among the fastest freighters on the seas of its type.

The larger size, the C-3, is the fastest cargo ship ever built in this country. One of them did better than 19 knots in trials and they can be operated at 17½ knots.

The "national defense" tankers, built to accompany the battle fleet, are capable of carrying approximately 150,000 barrels of oil at a speed better than 18 knots.

The Commission ordered 40 of the C-2's, of which 16 are in operation; 18 of the C-3's, of which seven are in operation; 12 of the twin-screw national defense tankers, of which nine are in operation. The Navy has already bought three of these tankers.

In addition, the program includes 11 single-screw tankers designed for 16½ knots, which meets the Navy standard; 15 C-3 type vessels designed to carry about 100 passengers, 38 of the smaller C-1 type freighters; the American, the largest passenger vessel ever built in this country; 18 specially designed cargo vessels, and six specially designed passenger-cargo vessels. Special credit is due for these designs to American Export Company, Mississippi Shipping Company and Seas Shipping Company.

The quantity of the program and its quality are gratifying. But even more so is its capability of expansion.

Standardization, now being introduced into the complicated work of airplane construction, has already been established for the equally complicated and even more time-consuming task of shipbuilding.

There are five standardized designs in the Commission's program:

C-1 cargo, about 7,500 deadweight tons, 14 knots designed speed.

C-2 cargo, about 9,500 deadweight tons, 15½ knots designed speed.

C-3 cargo, about 11,700 deadweight tons, 16½ knots designed speed.

Twin-screw tankers, about 16,700 tons, 16½ knots designed speed, fully loaded. Single-screw tankers, about 16,000 tons, 16½ knots designed speed, fully loaded.

They have all been ordered and built in quantities. There are 16 shipbuilding yards located on the Atlantic, Gulf and Pacific coasts which have built these types and are experienced in all construction details.

If a need develops for more ships, the only new work would be that of a stenographer in typing a new contract. Exact duplicates of existing vessels could be ordered from experienced yards and built by experienced workmen. The time consumed would be substantially reduced.

In the last World War, the Shipping Board built over 2,000 ships. But only a handful were ready in time for the struggle. Designs had to be made, equipment and machinery purchased, shipyards built and workmen trained. That took time. Most of this has already been done.

The United States Navy will not be tied to its land bases!

### Financial Digest

The Department of Commerce has announced that the National Income of the United States in 1939 totalled nearly 70 billion dollars. Except for the 71.2 billion dollar total in 1937, the 69.4 billion dollar value of goods and services produced in 1939 was above that of any year since the \$2.9 billion dollar peak of 1929. With increased output in all industrial groups, the net value of production rose 5.8 billions in 1939 or 9.1 per cent from the 63.6 billions aggregate in 1938. This rise in income was responsible for the higher government revenue, which is needed in order to meet the huge National Defense Expenditures which Congress has authorized. If the National Income should be larger this current year, or even remain at the 1939 figure, the tax law which Congress has passed probably will produce more than the three quarters of a billion increase estimated by the Treasury Department. Stricken out of that measure in conference were the Senate amendments relative to excess profits.

Its June Review of the Business situation by the Department of Commerce, has this comment:

"Many areas of business reacted quickly to the extraordinary developments of the European war in May, but no clearly defined general trend emerged during the month as a whole. As the northern Allied armies were rolled back, realization that profound influences could be expected here was widespread, although neither the immediate repercussions nor the outlook for the near term were decisive. At the end of the month, changes of a deflationary character were intermingled with signs of improvement in particular areas."

"Most dramatic response to Allied reverses, involving as they did the possibility of severe curtailment of our export trade, was a sharp break in security and agricultural prices. As a consequence the trend of consumption was distinctly unfavorable. Industrial production turned upward, nonetheless, with the steel industry in the vanguard. By the end of the month it became clear that, so far as the longer-term outlook was concerned, the firm determination of the Nation to make its defenses impregnable was backed by a Government program that gave promise of pushing business forward regardless of developments abroad."

"Export trends, which have not been so favorable for the past few months, were down again in April as a result of the virtual stoppage of shipments to the Scandinavian countries. Apart from some increase in the dollar volume of Allied takings, there were indications of a general slackening in foreign demand, with the result that April exports declined to \$315,000,000—\$30,000,000 lower than in March and \$45,000,000 under the peak in January. The whole range of export items was affected adversely with a few exceptions such as crude petroleum, coal, lumber, and wood pulp. Among the goods that

have important war uses, aircraft and metal-working machinery shipments showed little change, while exports of trucks, iron and steel-mill products, chemicals, and copper were lower. Agricultural exports such as cotton, tobacco, and foodstuffs also declined."

"Exports to all major countries other than those cut off by war operations held above pre-war levels, though there was a general tendency to recede from the high levels of recent months. Exports to Latin America declined \$10,000,000 for the month; to Australia, \$4,000,000; to Japan, \$2,500,000; and to Russia, \$2,600,000."

"By far the most fundamental development affecting business prospects was the swift action taken to increase the domestic defense program. Implicit in the program is an increase in the flow of expenditures, both Government and private, that in time will dominate business trends. As well as can be judged at present, Government expenditures during the fiscal year 1941, exclusive of the additional defense appropriations requested in May, will approximately equal expenditures in the fiscal year ending this month. The added appropriations, likely to exceed \$2,500,000,000, will therefore provide an additional stimulus to economic activity, and private investment of capital funds will be required to expand plant capacities now inadequate. Total outlays involved in the program, plus expanded non-military spending, will be more than sufficient to offset any curtailment initiated by events abroad."

"Since some months will elapse before efforts now initiated are being expended in full force, the trend of business in the immediate future must remain uncertain. The behavior of financial markets last month indicates that business is vulnerable to liquidation with adverse developments in the Allied position. Expansion, however, is in prospect for the longer-run."

### Merchant Marine

Special training courses in visual signalling have been taken by 1,196 licensed deck officers, cadet officers, cadets and ship inspectors in the last six months, it was reported this week by the Maritime Commission. Two hundred of this group have already received certificates of proficiency.

A total of 483 took the courses at the offices of the commission's district cadet training instructors in New York, 507 took the courses in San Francisco and 206 took the courses in New Orleans. By far the greatest number of those studying visual signalling were licensed officers, 966 of the group being of that class. Twenty-six inspectors of the Bureau of Marine Inspection and Navigation studied visual signalling during the six months' period, as well as 145 cadets and 59 cadet officers.

#### Bull Line Buys New Ship

An offer of \$1,928,000 for a new C-1 cargo vessel for the domestic trade was received 21 June from A. H. Bull Steamship Company. The company also offered \$111,000 for the laid-up steamer Barrendo and \$95,000 for the laid-up Monroe.

Acceptance of Bull Line's bid is likely.

A second new C-1 ship, now under construction at Wilmington, Del., was offered for sale at the same time, but no offers to buy were received. The Maritime Commission will probably not offer the ship for sale again until interested buyers indicate their intention of bidding.

#### 4 Ships to Aluminum

The Maritime Commission, as predicted last week, accepted bid of Ocean Dominion Steamship Corporation for purchase of four old vessels at a total cost of \$405,000. The company had previously purchased four other old vessels for \$605,000, giving it a total of eight American ships for its Aluminum Line route which is now served by foreign-flag vessels.

The vessels are primarily destined for importation of bauxite for the Aluminum Company of America which controls Ocean Dominion.

Bailev Resolution to President  
The House of Representatives has

passed Senate Joint Resolution 260 which would make emergency provision for the maintenance of essential vessels affected by the Neutrality Act and adjust obligations with respect to such vessels. The resolution now goes to the White House.

It was estimated this week that 22 vessels have suspended operations because of inclusion of the Mediterranean Sea in the European combat zone. Included are the country's largest ships, the Washington and Manhattan of United States Lines. Four of American Export Lines' vessels, which formerly operated in the Mediterranean area are still maintaining service to Lishon.

#### Third Repair Job Let

Contract has been signed with Bethlehem Steel Company, New York, for renovation of the laid-up cargo ship Vincent. Bethlehem's bid of \$48,832 was the lowest of six received.

Contracts for reconditioning the Wagon and West Honaker have already been awarded. Bids have been received for reconditioning the Deer Lodge, West Celeron and West Corum. It is also planned at this time to refit the Siletz, West Cheswald, Mount Evans and West Segovia.

#### Murals for Presidents

As a result of nation-wide competitions, commissions were given several artists this week by the Maritime Commission and the Section of Fine Arts of the Public Buildings Administration for decoration of public rooms of the liners President Jackson, President Hayes and President Monroe, three of the seven C-3 passenger and cargo ships being built for the round-the-world service of American President's Line.

JOURNAL advertisers merit your attention! From cover to cover you'll find your needs covered by reliable firms.

### QUICK LOANS TO COMMISSIONED OFFICERS

BY WIRE OR AIR MAIL—Without Security or endorsement (privacy) Legal rates (now lower)

Monthly payments to suit budget.

W. H. HOFMEIER CO., INC.

Suite 400 Citizens Bank Bldg., P. O. Box 162—Phone 21131—Cable address "HOFECO"—Norfolk, Va.

P. S. 46 years of continuous quality service built upon highest standards.

### ARE YOU IN DEBT?

OUR PLAN  
PAYS YOUR BILLS  
WITHOUT BORROWING  
NATIONAL LIQUIDATION BUREAU  
924 Rives-Strong Building  
LOS ANGELES, CALIFORNIA

### CONFIDENTIAL LOANS

offered to Commissioned  
Officers of the U. S. Army  
and Navy.

At attractive rate, for required  
funds to meet their necessities.

NO COLLATERAL or  
ENDORSEMENTS required

PROMPT SERVICE  
CONVENIENT MONTHLY  
PAYMENTS

Write or Wire

AIR MAIL FINANCING  
CORPORATION

Room 306 Masonic Temple  
Post Office Box 652,  
Jacksonville, Fla.

## Navy Orders

(Continued from Page 1069)

June; to Nav. Air Sta., Pensacola, Fla. 28 Mar. revoked.  
Lt. Charles M. Keyes, det. USS Philip abt. July; to Nav. Academy.  
Lt. Alexander M. Kowalsky, jr., det. USS Tennessee abt. 13 July; to NROTC Unit, Univ. of Okla., Norman, Okla.  
Lt. Donald F. Krick, det. instrn. Harvard Univ., Cambridge, Mass. abt. 8 June; to USS New Mexico.  
Lt. Jacob A. Lark, det. 15th Nav. Dist. abt. July; to USS Jarvis.  
Lt. Stanley G. Nichols, det. Subm. Base, Groton, Conn. abt. 15 June; to cfo USS Omaha and in command when comm.  
Lt. (jg) Raymond L. Fulton, det. USS Arkansas abt. 6 July; to USS Tuscaloosa.  
Lt. (jg) Richard C. Gazlay, det. Obs. Sqd. (USS California) abt. 8 June; to Nav. Air Sta., Pensacola, Fla. Osa. 14 May revoked.  
Lt. (jg) Michael B. O'Connor, upon disch. det. Nav. Hosp., Phila., Pa. to duty cfo USS Mayo and on bd. when comm.  
Lt. (jg) George L. Tabor, jr. (MC), det. Navy Yd. Ports, Va. in June; to USS Omaha.

Comdr. Charles H. Gillien (SC), det. Navy Yd., New York, N. Y. in June or July; to USS Pennsylvania.  
Lt. John K. Chisholm (SC), det. Bu. S. & A. Navy Dept. in July; to USS Houston.

Boat. Willie L. Jones, det. USS Allegheny abt. 15 July; to Nav. Trng. Sta., Gt. Lakes, Ill.  
Ch. Gun. Bryan C. Clark, det. Nav. Trng. Sta., San Diego, Cal. abt. 15 July; to USS Roanoke.

Ch. Mach. Thomas H. Cormack, det. USS Holland in June; to Navy Yd., Ports, N. H.  
Ch. Mach. Shelby N. Davis, det. USS Vireo in July; to Nav. Trng. Sta., Gt. Lakes, Ill.  
Ch. Mach. Ralph M. Jeffries, det. Navy Yd., Ports, N. H. abt. 15 July; to USS Cuyama.

Ch. Mach. Ray S. Jones, det. USS Altair abt. 10 June; to Navy Yd., Pearl Harbor, T.H.  
Ch. Mach. John E. Dawson, det. USS Vestal abt. 1 June; to USS Altair.

Ch. Lawrence J. Unzicker, det. USS Pennsylvania in June; to USS California.  
Ch. Elec. Marvin F. Hathaway, det. Navy Yd., Wash., D. C. abt. 15 July; to cfo USS Prairie and on bd. when comm.

Ch. Elec. John T. McNulty, det. office of Supr. of Shipbldg., New York Shipbldg. Corp., Camden, N. J. abt. 1 Aug.; to USS Astoria.

Ch. Elec. Charles E. Mowry, det. USS Dobbin abt. 25 July; to Ford Instrument Co., Long Is. City, N. Y.  
Ch. Rad. Elec. Otis R. Adams, det. USS Yorktown in July; to Subm. Base, New London, Conn.

Ch. Rad. Elec. William H. Recksiek, upon disch. det. Nav. Hosp., San Diego, Cal. to duty USS Yorktown.

Ch. Elec. Leland V. Starkey, det. USS Lexington abt. 20 July; to Navy Yd., Phila., Pa.  
Ch. Carp. John Bryan, det. USS Phoenix; to Navy Yard, Pearl Harbor, T. H.

Ch. Carp. James S. Jones, det. USS Relief abt. 15 July; to Nav. Sta., Key West, Fla.  
Ch. Pharm. William E. G. Bartie, det. Nav. Academy abt. 1 June; to Nav. Hosp., Gt. Lakes, Ill.

Ch. Pharm. Russell P. Cunningham, det. Nav. Hosp., Pearl Harbor, T. H. in July; to Nav. Hosp., Puget Snd., Wash.  
Ch. harm. Neil H. McLean, det. Nav. Dispensary, Navy Dept. abt. 15 July; to Nav. Hosp., Wash., D. C.

Ch. Pay Clk. John W. Hall, det. USS Patoka in July; to cfo USS Prairie and on bd. when comm.

Ch. Pay Clk. Alexander J. Howard, det. Nav. Ord. Plant, So. Charleston, W. Va. in July; to Nav. Sta., Guantanamo Bay, Cuba.  
Ch. Pay Clk. John Alden, det. USS Savannah in July; to Asiatic Flt.

Ch. Pay Clk. Michael Mitnick, det. USS Oglala in July; to 11th Nav. Dist.  
Ch. Rose A. Flanagan, Nurse, to Nav. Hosp., Phila., Pa.

Following Enns, USNR, det. instrn. Nav. Air Sta., Pensacola, to stations indicated:  
Marion F. Barfield, Pat. Sqd. 32.  
James E. Breeding, Pat. Sqd. 41.  
Robert V. Cain, jr., Pat. Sqd. 22.  
Robert C. Corlett, Pat. Sqd. 23.  
Roger A. Wolf, Pat. Sqd. 42.

## Coast Guard Orders

Comdr. E. H. Smith, det. Chelan and assigned Northland as commanding officer.  
Lt. S. L. Denty, det. American Seaman and assigned Key Highway plant of Bethlehem Steel Company, Baltimore, Md., as Maritime Service representative in connection with overhaul and repairs to American Sailor (formerly Edgemont), to report on 25 July.

Chief Boats. J. B. Krestensen, det. Triton and assigned Northland, to report aboard at New York, abt. 15 July.

Chief Boats. (Lt.) A. H. Wright, det. Orleans Station, when directed by Commander, Boston Dist., and assigned Chatham Station as commanding officer.

Chief Mach. J. R. Cody, det. McLane, abt. 15 July, and assigned Jacksonville Dist.  
Former Lighthouse personnel A. E. Larsen and H. F. Bradley, serving on the Spruce, appointed Chief Boats. and Chief Mach., respectively, to rank from date of oath.

Boats. P. F. Deaknyne, det. Oak and assigned Lillac.  
Boats. D. K. Tillette, det. Lillac and assigned Spruce.

Boats. T. J. Brennan, det. Hawthorn and assigned Oak.  
Boats. O. R. Olsen, det. Light Vessel No. 114 and assigned Hawthorn.

Mach. H. L. Garrison, det. Diamond Shoals Lightship, abt. 1 July, and assigned Mistake as engineer officer.

Pay Clerk Garland Sponburgh, det. Shoshone, upon arrival that vessel at Alameda, Calif., from Bering Sea, and assigned San Francisco Dist. office.  
Gunner (T) R. L. Addy, Seattle Dist., issued permanent appointment as Gunner, with rank from 6 Feb. 1940.

## Marine Corps Orders

(Continued from Page 1065)

NS. Olongapo, P. I., to FMF, San Diego, via SS President Cleveland.  
1st Lt. Robert S. Fairweather, abt. 5 Aug., det. 4th Marines, to MB, Wash., D. C., via SS President Cleveland.

1st Lt. Joseph L. Winecoff, abt. 5 Aug., det. 4th Marines, to MB, NYd., Phila., via SS President Cleveland.  
1st Lt. William G. Robb, abt. 15 Aug., det. MD, Tientsin, China, to Dept. of Pacific via USS Chaumont.

1st Lt. James S. Blais, abt. 15 Aug., det. 4th Marines, to MB, Quantico, via SS President Coolidge.  
1st Lt. Orin C. Bjornsrud, det. MB, NYd., Cavite, P. I., to USS Augusta.

1st Lt. Richard Rothwell, abt. 5 Aug., det. MB, NS. Olongapo, P. I., to 4th Marines, Shanghai.  
1st Lt. Edward E. Mann, Retd., on 1 July, assigned to active duty at MB, NAS, Alameda, Calif.

1st Lt. Joseph D. Humphrey, Retd., on 1 July, assigned to active duty at MB, NYd., Mare L. Calif.  
1st Lt. George E. Williams, Retd., on 1 July, assigned to active duty at MB, Puget Sound NYd.

2nd Lt. Hugh M. Elwood, abt. 8 July, det. MB, Wash., D. C., to MB, NAS, Pensacola.  
2nd Lt. Wayne M. Brown, det. USS Erie, to MB, NYd., N. Y.

Capt. Stafford F. Potter, MCR, on 23 June, assigned to active duty at MB, NYd., N. Y.  
Capt. Alvin C. Durning, MCR, on 15 July, assigned to active duty at MB, NAS, Pensacola.

Capt. Andrew Wylie, MCR, on 1 July, assigned to active duty in Navy Dept.  
2nd Lts. Joseph E. Atkinson, MCR, and Glen G. Tyler, MCR, on or abt. 26 June, det. Marine Corps Schools, Quantico, ordered home and relieved from active duty.

2nd Lt. Bruce H. Platt, MCR, on 30 June, assigned to active duty with 1st Mar. Brig., Quantico.  
2nd Lt. Calvin C. Gaines, MCR, on 29 June, assigned to active duty at MCB, San Diego.

2nd Lt. Emerson E. Mason, MCR, on 30 June, assigned to active duty with 1st Mar. Brig., Quantico.  
2nd Lt. Walter Antin, MCR, on or abt. 20 June, det. Marine Corps Schools, Quantico, ordered home and relieved from active duty.

About 26 June, following officers of Marine Corps Reserve detached Marine Corps Schools, Quantico, and assigned to duty with 1st Mar. Brig., Quantico.

1st Lt. R. M. Fawell, 2nd Lt. R. B. Mattson  
1st Lt. J. E. McLaughlin, 2nd Lt. W. F. Meyerhoff  
2nd Lt. J. C. Brewer, 2nd Lt. W. D. Morgan  
2nd Lt. H. W. Coulter, 2nd Lt. J. C. Pye  
2nd Lt. A. N. B. Robertson

2nd Lt. R. N. Fricke, 2nd Lt. D. J. Robinson  
2nd Lt. E. W. Gardner, 2nd Lt. W. J. Ryan  
2nd Lt. A. D. Gorham, 2nd Lt. W. Squires  
2nd Lt. R. L. Hall, 2nd Lt. R. Tonia  
2nd Lt. J. R. Jacyno, 2nd Lt. R. M. Wismer  
2nd Lt. A. M. Mahoney

Abt. 26 June, following officers of Marine Corps Reserve detached Marine Corps Schools, Quantico, and ordered to duty with FMF, San Diego:  
1st Lt. R. L. Cooper, 2nd Lt. P. V. Metcalf  
1st Lt. R. M. Handley, 2nd Lt. T. J. Mitchell  
2nd Lt. C. M. Alkele, 2nd Lt. W. C. Moore  
2nd Lt. W. M. Bell, 2nd Lt. H. S. Neasey  
2nd Lt. A. A. Poindexter

2nd Lt. A. N. Blagard, 2nd Lt. E. W. Ritzau  
2nd Lt. W. E. Davis, 2nd Lt. T. P. Watson  
2nd Lt. R. M. Hanna, 2nd Lt. T. E. Williams  
2nd Lt. H. C. Howard  
2nd Lt. A. V. Jorgen

Abt. 26 June, following second lts. of Marine Corps Reserve det. Marine Corps Schools, Quantico, and ordered to duty at MB, Parris Island, S. C.:

W. G. Cooper, J. W. Guest  
W. L. Gaffney, A. B. Hammond, jr.

W. McNulty, W. W. Trotti  
C. L. Peed, W. G. Lind, jr.  
Following officers were promoted to grades indicated, by and with advice and consent of Senate, on 17 June, with rank from dates shown opposite their names:

Col. John M. Arthur—14 Aug. 1939, No. 5.  
Col. James T. Moore—1 Oct. 1939, No. 2.  
Maj. William P. Kelly—14 Aug. 1939, No. 7.  
Maj. Pierson E. Conrad—14 Aug. 1939, No. 8.

Maj. John M. Lakso—14 Aug. 1939, No. 9.  
Maj. William R. Hughes—14 Aug. 1939, No. 10.  
Maj. Thomas B. White—14 Aug. 1939, No. 11.

Maj. Maxwell H. Mizell—14 Aug. 1939, No. 12.  
Maj. Robert J. Straub—14 Aug. 1939, No. 13.  
Maj. Robert O. Bare—14 Aug. 1939, No. 18.  
Maj. Raymond A. Anderson—14 Aug. 1939, No. 21.

Maj. Walter J. Stuart—14 Aug. 1939, No. 23.  
Maj. James H. N. Hudnall—14 Aug. 1939, No. 24.  
Maj. Alexander W. Kreiser, jr.—14 Aug. 1939, No. 25.

Maj. Thomas C. Perrin—21 Aug. 1939.  
Maj. Lenard B. Cresswell—1 Oct. 1939, No. 1.  
Maj. Thomas J. McQuade—1 Oct. 1939, No. 2.  
Maj. Kenneth B. Chappell—1 Oct. 1939, No. 5.

Maj. Arthur W. Ellis—1 Nov. 1939, No. 3.  
Maj. Edwin C. Ferguson—1 Nov. 1939, No. 4.  
Maj. Homer L. Litzberg, jr.—1 Nov. 1939, No. 5.  
Maj. Wilbur S. Brown—1 Jan. 1940.

Maj. Floyd A. Stephenson—1 April 1940, No. 1.  
Maj. Samuel S. Ballentine—1 April 1940, No. 2.  
Maj. David K. Claude—1 April 1940, No. 4.

Capt. Clyde R. Nelson—1 July 1939, No. 33.  
Capt. John P. Condon—14 Aug. 1939, No. 1.  
Capt. Joseph P. Fuchs—14 Aug. 1939, No. 10.  
Capt. Bennet G. Powers—14 Aug. 1939, No. 12.

Capt. Harry W. G. Vadnais—14 Aug. 1939, No. 15.  
Capt. Lawrence B. Clark—14 Aug. 1939, No. 18.  
Capt. Lehman H. Kleppinger—14 Aug. 1939, No. 19.

Capt. John E. Weber—14 Aug. 1939, No. 21.  
1st Lt. John G. Walsh, jr.—3 June 1940, No. 2.  
1st Lt. Arthur W. Fisher, jr.—3 June 1940, No. 5.

1st Lt. Joseph A. Gerath, jr.—3 June 1940, No. 15.  
1st Lt. Robert F. Ruge—3 June 1940, No. 16.  
1st Lt. John R. Lirette—3 June 1940, No. 19.  
1st Lt. Owen A. Chambers—3 June 1940, No. 25.

## Obituaries

(Continued from Page 1079)

he was ordered to Ft. Benning, Ga., where he served on staff duty at the Infantry School until June, 1938. He then returned to Washington, D. C., where he served in the Office of the Chief of Infantry and as editor of the Infantry Journal until the date of his death.

Major Burns is survived by his widow, Mrs. Leta Mangus Burns, and by two daughters, Frances L. Burns and Sheila L. Burns.

Funeral services were held Thursday, 27 June, at the Ft. Myer Chapel. Chaplain John F. Monahan officiated. Interment, with full military honors, was in Arlington National Cemetery.

The following officers served as honorary pallbearers: Maj. Gen. George A. Lynch, Chief of Infantry; Lt. Col. Eugene W. Fales, Inf.; Lt. Col. Maxon S. Lough, Inf.; Lt. Col. Fred W. Miller, Inf.; Maj. Frank S. Ross, (Inf.) G.S.C.; Maj. Ingomar M. Oseth, Inf.; Maj. Andrew D. Bruce, (Inf.), G.S.C., and Maj. Aaron Bradshaw, jr., CAC.

## Status of Promotion

ARMY PROMOTION STATUS

Promotions and Vacancies on the Promotion List (Cumulative) since 21 June 1940

Last promotion to the grade of Col.—Thomas J. J. Christian, F.A., No. 82. Last nomination to the grade of Col.—Thomas J. J. Christian, F.A., No. 82. Vacancies—None. Senior Lt. Col.—Howell M. Estes, Cav., No. 83.

Last promotion to the grade of Lt. Col.—Rex W. Beasley, F.A., No. 107. Last nomination to the grade of Lt. Col.—Rex W. Beasley, F.A., No. 107. Vacancies—1. Officer entitled—J. Lawton Collins, Inf., No. 108. Senior Major if vacancy were filled—Walter F. Vander Hyden, O.D., No. 109.

Last promotion to the grade of Major—Howell Harrell, Q.M.C., No. 200. Last nomination to the grade of Major—Howell Harrell, Q.M.C., No. 200. Vacancies—2. Officers entitled—Paul E. Burrows, A.C., No. 201 and George H. Brown, A.C., No. 202. Senior Captain if vacancies were filled—Elmer D. Perrin, A.C., No. 203.

Last promotion to the grade of Captain—Elvin F. Maughan, A.C., No. 274.

Last promotion to the grade of 1st Lt.—Charles W. Blauvelt, Inf., No. 301.

## Non-Promotion List

Chaplain Ralph W. D. Brown (First Lt.), promoted to Captain, U.S.A.

## Warrant Officers

405 on the eligible list to be Warrant Officers. Appointments have been made through George H. Johnson.

4 on the eligible list to be Band Leaders. Appointments have been made through Gregorie A. Diaz.

## MARINE PROMOTION STATUS

Last commissioned in grade	Last to make number in grade
Maj. Gen. W. P. Upshur	Maj. Gen. W. P. Upshur
Brig. Gen. A. A. Vandegrift	Brig. Gen. A. A. Vandegrift
Col. L. D. Hermie	Col. L. D. Hermie
Lt. Col. M. A. Edson	Lt. Col. M. A. Edson
Maj. H. D. Harris	Maj. M. S. Rahiser
Capt. J. E. Weber	Capt. J. E. Weber
1st Lt. O. A. Chambers	1st Lt. O. A. Chambers

## Prospective Promotions, 1 July

To Lt. Col.—Maj. Curtis W. Legette (Lt. Col. W. H. Sits becoming increase in grade).  
To Maj.—Adolph Zuber (promotion of Major Legette). Robert E. Hognaboom (retirement of Maj. W. P. Richards). Francis H. Brink (retirement of Maj. W. T. Evans). James Snedeker (retirement of Maj. H. M. H. Fleming).

## Navy and Marine Exams

The Navy Department announced yesterday that officers of the line and staff of the Navy and Marine Corps will be examined on promotion on their records and will not take promotion examinations except in cases where officers object to the examination on record only.

The move was taken because exigencies of the present situation required that all officers should be able to devote a maximum amount of time to their duties.

## CLASSIFIED

Rate: 5 cents per word; minimum \$1.00. Forms close 5 p.m. Thursdays. Payment must be made before publication. Phone Hobart 6477.

## TEACHING POSITION WANTED

Retired Army Officer, B.S., The Citadel, M.A., Peabody. Desires teaching position, exp. Box GC, Army and Navy Journal.

## FOR SALE

Ideal for Service people, exclusive Cleveland Park. Brick home. 3547 Quebec Street. Eight rooms, two baths, modern, large lot, landscaped. No agents, inspection by appointment. Phone Michigan 3105. \$11,000. FHA approved.

## REAL ESTATE

Properties for sale or rent near new Naval Hospital in Bethesda, Maryland. Contact E. M. FLY, Inc. 4703 Hampden Lane, Bethesda. Member Md. Real Estate Association. Phone Wis. 6740.

## SANDOZ, INC.

Real Estate and Insurance  
No. 2, DuPont Circle Washington, D. C.

## CORRESPONDENCE INSTRUCTION

WEST POINT PREPARATORY COURSE. Courses for Flying Cadet examinations. Thorough individual coaching. For information write: Captain A. T. Bell, USA, Ret., 119 Franklin Boulevard, Merrick, N. Y.

## FOR RENT

JULY 16—3007 PERSHING DRIVE, ARLINGTON, VA. Handsome new six-room brick; a.m.t. Ten minutes downtown Washington. \$75.00. Phone Oxford 1156-W.

OPPOSITE WALTER REED. Two attractive furnished rooms, private bath. Corner residence. Phone Randolph 2138. 7131 Ninth Street, Northwest.

## VIRGINIA REAL ESTATE

WRITE FOR NEW HISTORIC VIRGINIA CATALOGUE. "100 Photographs and Descriptions." Roy Wheeler Realty Company, Charlottesville, Virginia.

## FARM

Gentleman's Farm on highway. 150 acres of land. Two homes, all improvements. 20 cows, all equipment. Vermann, Coxsackie, New York.

## The Railroads Are Ready

BY J. J. PELLEY  
President, Association of American Railroads

THE front line of national defense is an adequate army and an adequate navy, fully equipped and supplied with all the things which make an army or navy modern and strong. Within the protection of that military power there must be great productive resources, organized and equipped to supply all needs, civil as well as military. And underlying the whole thing, tying it all together and making it all possible, there must be adequate, dependable, efficient transportation.

In America the great bulk of that transportation is, and will continue to be, by rail. Other agencies of transport are useful and will be used, but only in trains running on tracks is it possible to produce the low-cost mass transportation upon which American agriculture and industry, as well as American defense, are based. And the American railroads are ready for their part in any defense program.

But the question is asked—and it is a proper one—did not the railroads break down in handling the load during the World War, and have to be taken over by the government?

The answer is that the railroads as transportation machines did not break down. The break-down was in the lack of arrangements for unloading at terminals, particularly at the ports, and the lack of arrangements for control of traffic, particularly the government's traffic.

In his 1918 report, Mr. William G. McAdoo, Director General of the United States Railroad Administration, mentioned as among the "potent causes" of congestion the practice of contractors engaged in heavy building operations for different branches of the government ordering "materials forwarded far in advance of their ability to receive and unload. There were at one time over 5,000 carloads of piling alone for the Hog Island Shipyard in excess of its ability to accept." Mr. McAdoo mentioned also "slow and difficult" unloading because manufacturers ordered raw materials in excessive quantities, with arrivals badly bunched. Another reason ascribed was "the necessity for giving priority to shipments of government freight and the lack of a central control, even in a single department, to decide upon the degrees of importance in priority. This had resulted in many instances through the insistence of some energetic officer handling a single class of material in a preference movement being given to freight of minor relative importance."

As a result of the practices referred to by Mr. McAdoo there were at one time more than 200,000 cars loaded with freight, standing around waiting to be unloaded, taking up precious track room in the vicinity of the ports and great government projects.

This practice of trying to rush freight forward under priority orders, only to have the car wheels grow rusty while waiting to be unloaded at destination, grew out of zeal and inexperience. From the experience of 1917-18 we have all learned—railroads and government alike—and that particular mistake will not be repeated.

We can say this with confidence because of the plans that have been worked out between the railroads and the joint Army and Navy Munitions Board. There is nothing hasty about these plans. They have been under careful consideration for more than fifteen years. There is nothing spectacular about them. They contemplate no super-controls, no government operation of railroads. They are based, as a member of the government board concerned said the other day, upon maintaining the "established American way of getting things done."

In essence, the plan is that in emergency the railroad companies shall continue to run the railroads, handling all freight as it comes, except that no freight, whether private or government, shall be loaded into a car unless there is assurance that the car can be unloaded at des-

tination promptly upon arrival. The plan recognizes that the job of railroads is to move freight. If for any reason freight cannot be unloaded promptly it should not be put into cars at all, but should be stored where it is produced, or arrangements be made to unload and store it at destination. Railroad cars are not warehouses on wheels.

Our railroads today are a different sort of transportation machine from the one of twenty years ago. During those years, and especially since 1923, we have built into the railroad plant a new inherent strength and capacity. There are fewer miles of railroad line than there were then, but more miles of side tracks, yard tracks and additional main tracks—indicating the intensive development of line and terminal capacity. There are fewer locomotives, but they are more powerful and more efficient. There are fewer cars, but they are better as well as bigger. The improvement in signals, in shops, in operating methods, both on the individual railroads and in the coordinated arrangements between railroads, has been truly remarkable. That is why we have seen no general car shortage in nearly twenty years—although in nearly half of those years the railroads handled more freight than in the war year of 1918, and did it with fewer cars and engines than we had then.

If there should come a great increase in demand for transportation service, the additional equipment which might be needed could be had and put into service in time to keep ahead of demand, while the fundamental strength and capacity to move the equipment is already built into the roads. The railroads are ready.

## Army Officer Personnel

(Continued from Page 1055)

Throughout the last twenty years the Army has been spending millions of dollars training this corps of officers for just such an emergency as now confronts the country.

### National Guard

"National Guard officers, appointed to state units and then Federally recognized and commissioned in the National Guard of the United States, have been prepared and trained, generally, along similar lines. Also many qualified enlisted men of the National Guard have been commissioned in the National Guard of the United States, and now form a reserve from which officers can be selected for the augmentations of National Guard units, should they be called into Federal Service at some future date.

"The large numbers of recruits required in the imminent expansion of the Army will require new methods of procurement. For years, the War Department has been developing such a plan whereby patriotic citizens will be asked to supplement the efforts of the Army Recruiting Service. This Civilian Volunteer Effort will operate through State Governors and specially trained National Guard officers and is ready to be placed in operation at any designated time. It has been rehearsed or reexamined by its members several times each year.

"The expansion of existing units and the organization of new ones are proceeding rapidly and will provide vacancies to which the new men will be assigned as rapidly as they are recruited. At the same time, plans for additional expansion and organization of units have been made for the absorption of the additional men authorized by the Congress in the pending Supplemental Bill.

"The primary purpose of these increases is to mold the expanded Army into a balanced mobile force capable of immediate active service.

### CMTG

"Already scheduled for this summer is the training of approximately 37,000 civilians in the regular Citizens' Military Training Camps which have been held each summer for many years. These camps will provide one month's training for those attending and will be held during the month of July. Selection of individuals for attendance at these camps, under the usual War Department instructions, is now being completed by Corps Area commanders.

### ROTC

"Training of approximately 9,500 college ROTC students is being carried out in regularly scheduled camps during June and July. This summer camp training is a part of the ROTC courses conducted at various colleges throughout the United States.

"The full time of many Regular officers and Reserve officers on active duty is required to conduct these CMTG and ROTC camps.

"During the maneuvers scheduled for each of the four Army areas for the month of August, more than 300,000 officers and enlisted men will receive training.

## Republicans Back Defense

The platform adopted by the Republican party in convention this week at Philadelphia declared for a "prompt, orderly, and realistic" building of the National Defense. The Republicans also pledged themselves, in the meanwhile to support necessary and proper defense measures proposed by the Administration "in its belated effort to make up for lost time."

Wendell L. Willkie, following his nomination, stated, "I intend to give everything I have to bring about American prosperity, build an adequate National Defense and restore National unity."

Extracts from the platform pertaining to National Defense follow:

"Instead of providing for the common defense, the Administration, notwithstanding the expenditure of billions of our dollars, has left the Nation unprepared to resist foreign attack.

"It has failed by disclosing military details of our equipment to foreign powers over protests by the heads of our armed defense. "It has failed by ignoring the lessons of fact concerning modern, mechanized armed defense.

"The zero hour is here. America must prepare at once to defend our shores, our homes, our lives and our most cherished ideals.

"To establish a first line of defense we must place in official positions men of faith who put America first and who are determined that her governmental and economic system be kept unimpaired.

"Our national defense must be so strong that no unfriendly power shall ever set foot on American soil.

"The Republican Party is firmly opposed to involving this Nation in foreign war.

"The present National Administration has already spent for all purposes more than \$54,000,000,000—has boosted the national debt and current Federal taxes to an all-time high; and yet by the President's own admission we are still wholly unprepared to defend our country, its institutions and our individual liberties in a war that threatens to engulf the whole world.

"We declare for the prompt, orderly, and realistic building of our national defense to the point at which we shall be able not only to defend the United States, its possessions, and essential outposts from foreign attack, but also efficiently to uphold in war the Monroe Doctrine. To this task the Republican Party pledges itself when entrusted with national authority.

"In the meantime, we shall support all necessary and proper defense measures proposed by the Administration in its belated effort to make up for lost time; but we deplore explosive utterances by the President directed at other governments which serve to imperil our peace; and we condemn all Executive acts and proceedings which might lead to war without the authorization of the Congress of the United States.

"We favor the extension to all peoples fighting for liberty, or whose liberty is threatened, of such aid as shall not be in violation of international law or inconsistent with the requirements of our own national defense."

## Augmented Pilot Training Program

In connection with the Army expansion program, recently authorized by Congress, the Army Air Corps schools for training of pilots and officer-specialists have been enlarged and augmented.

The nine existing civilian schools for elementary pilot training will be continued. These are:

Alabama Institute of Aeronautics, Municipal Airport, Tuscaloosa, Ala.  
Allan Hancock College of Aeronautics, Santa Maria, Calif.  
Chicago School of Aeronautics, Curtiss Reynolds Airport, Glenview, Ill.  
Dallas Aviation School and Air College, Love Field, Dallas, Tex.  
Cal-Aero Training Corp., Grand Central Air Terminal, Glendale, Calif.  
Lincoln Airplane & Flying School, University Place, Lincoln, Neb.  
Parks Air College, East St. Louis, Ill.  
Ryan School of Aeronautics, Lindbergh Field, San Diego, Calif.  
Spartan School of Aeronautics, Municipal Airport, Tulsa, Okla.

In addition to the above, the Air Corps will utilize new school facilities which will be operated at:

Jackson, Miss., affiliated with the Alabama Institute of Aeronautics.  
Albany, Ga., affiliated with the Chicago School of Aeronautics.  
Ricks Field, Ft. Worth, Tex., affiliated with the Dallas Aviation and Air College.  
Oxnard, Calif., affiliated with the Cal-Aero Training Corp.  
Ontario, Calif., affiliated with the Cal-Aero

Training Corp.  
Lakeland, Fla., affiliated with the Lincoln Airplane & Flying School.  
Sikeston, Mo., affiliated with the Parks Air College.  
Hemet, Calif., affiliated with the Ryan School of Aeronautics.  
Hathbox Field, Muskogee, Okla., affiliated with the Spartan School of Aeronautics.

## 49 Army MC Officers Named

As the result of examinations held in March, 1940, the following 49 Medical Reserve officers have been selected for appointment as 1st lieutenants in the Medical Corps, Regular Army:

K. H. Anderson	J. D. Harris
W. F. Angen	E. B. Harter
George Arack	F. A. Helms
W. S. Bagnall	A. L. Kaminsky
J. M. Barker	H. A. P. Leininger
J. V. E. Berger, jr.	B. P. Leich
H. L. Binkley	S. H. Mach
Jack Bollerud	W. W. Moir, Jr.
N. C. Bowers	Joseph Nagle
W. G. Budington	G. E. Ogden
W. C. Burry	G. A. Peck
M. W. Carver	R. C. Raucher
E. E. Corcoran	J. A. Resch
T. H. Crouch	J. T. Rush
W. H. Curry	J. M. Salyer
W. R. DeForest	A. D. Smith
S. I. Draper	S. S. Spicer
E. P. Drescher	J. B. Talley, Jr.
F. L. Duff	J. D. Textor
S. W. French, jr.	R. G. Thompson
R. S. Fraser	N. C. Veale
John Gardiner	R. B. Watson
J. R. Grunwell, jr.	H. W. Withers
M. R. Halbouty	C. A. Woerner
J. R. Hall, jr.	

J. P. D'Arezzo and J. F. Freund were appointed 2nd lieutenants, Coast Artillery Corps, and E. J. Sunderville, Vet. Res., was appointed 1st lieutenant Veterinary Corps, Regular Army.

## Honor General Peck

An honorary degree of Doctor of Laws was presented to Brig. Gen. E. D. Peck, USA, Chief of Staff of the Ninth Corps Area, at commencement exercises of the Wyoming University at Laramie, Wyo., 10 June 1940.

In presenting the degree the University stated that it was bestowed in appreciation of the things which he has done while in the Military service.

During the exercises General Peck presented commissions to the officers of the Wyoming University. Previously, on 25 May 1940, General Peck presented the Commissions to the officers of the University of California at exercises held at Berkeley, Calif.

## 4 Lieutenants Appointed

Four Reserve Officers' Training Corps honor graduates, three from the University of Illinois and one from Ripon College, Wisc., were announced as approved for appointment as second lieutenants in the Regular Army from the Sixth Corps Area.

Their appointments will be made 1 July by authority of the Act of Congress of 4 April 1939. Fifty-seven such appointments were authorized for the United States this year.

The Sixth Corps Area honor graduates selected for promotion are:

Robert C. Ingalls, FA, Urbana, Ill.  
John S. Shapland, CE, Champaign, Ill.  
Robert H. Pell, Inf., Chicago, Ill.  
Henry J. Richter, Sheboygan, Wisc.

## Housing for Service Posts

Steps are being taken to provide low cost housing for civilian and enlisted personnel engaged in the expanded defense program. President Roosevelt has approved United States Housing Authority loans in the amount of \$1,305,000 and \$643,000 for housing at Maxwell Field, Ala., and Corry Field, Pensacola, Fla., respectively. Four hundred and twenty-four units will be built at Maxwell Field, and 200 units will be built at Corry Field. Each home will have a living room, kitchen and dining space, bathroom and one, two or three bedrooms according to size.

Tenancy will be limited to families in the extremely low income bracket class. During hearings on the defense program at the capitol, the fact was brought out in numerous instances that projects of this kind must be included. The Navy Department and USHA officials have been working on the problem for some time and additional constructions will be announced in the near future it was said.

th the Linea  
the Parks A  
th the Rya  
kia, affliat  
ronautica.

s Named  
tions held in  
49 Medical  
selected for  
ants in the  
ny:  
arris  
arter  
instra  
aminaky  
Lehinger  
elch  
ucht  
Moir, Jr.  
Nagle  
eden  
ck  
uscher  
sch  
sh  
lyer  
lth  
cer  
ley, Jr.  
xtor  
ompson  
ale  
ntson  
ithers  
berner

reund were  
Coast Artil  
erville, Vet  
tenant Vel

reek  
or of Law  
E. D. Peck  
inth Corps  
ises of the  
mie, Wyo.

University  
n apprecia  
has done  
eral Peck  
officers of  
viously, an  
esented the  
f the Uni  
ses held at

nted  
ning Corps  
the Uni  
rom Rip  
ed as ap  
econd lie  
from the

ade 1 July  
gress of  
pointment  
ted States

graduate

Ill.  
gn, Ill.  
I.  
Wisc.

Posts  
ovide low  
listed per  
d defense  
has ap  
Authority  
5,000 and  
rell Field  
a, Fla., re  
enty-four  
field, and  
field. Each  
tchen and  
e, two of  
e.  
milles in  
ket class  
program  
ght out in  
ts of this  
y Depart  
en work  
e and ad  
nnounced

"GOD IS ON THE SIDE OF THE HEAVIEST ARTILLERY"—AND THE STRONGEST INDUSTRIES!



*We reprint this advertisement which first appeared in September, 1938, as an example of our early desire to promote the defense of America.*

## A NATION'S INDUSTRIES ARE ITS THIRD LINE OF DEFENSE

Armies without a constant stream of supplies are helpless in the field. Navies without material for repairs or munitions are tied to our shores. War today is a war of materials.

Modern wars are waged behind the lines, in the nation's factories. Modern war technique strives to destroy the source of munitions.

When the stream of war supplies is choked off, armies and navies are helpless. Legislation that prevents indus-

trial expansion would affect our defense. Let us protect and encourage our industries to expand now, in time of peace, so that in a time of national emergency they will efficiently provide the sinews of war for our armed forces. The Okonite Co., Passaic, N. J., offices in principal cities.

**OKONITE**   
INSULATED WIRES & CABLES

OKONITE CANNOT BE WRITTEN INTO A SPECIFICATION



● Actual color photograph showing one part of Luckies' famous "Toasting" process—which adds extra mellowness to the golden leaf.

## "...and that's how 'Toasting' works!"

YOU MAY BE as familiar with the phrase "It's Toasted" as you are with your own name. But do you know how "Toasting" gives you a better cigarette?

First, it uses higher heat treatments to take out certain harsh throat irritants found in all tobacco...making Luckies easy on your throat.

Second, it uses the concentrated sunshine of ultra-violet rays to add extra mellowness

to the fine tobaccos in Luckies.

No other cigarette gives you the Cream of the finest crops on record—plus the throat protection of "It's Toasted."

Try Luckies for a week. You'll see why with independent tobacco experts—buyers, warehousemen, auctioneers—

WITH MEN WHO KNOW TOBACCO BEST—IT'S LUCKIES 2 TO 1



Copyright 1940, The American Tobacco Company

# HAVE YOU TRIED A *LUCKY* LATELY ?